

BADGER STATE

Smoke Signals

For Radio Amateurs • By Radio Amateurs

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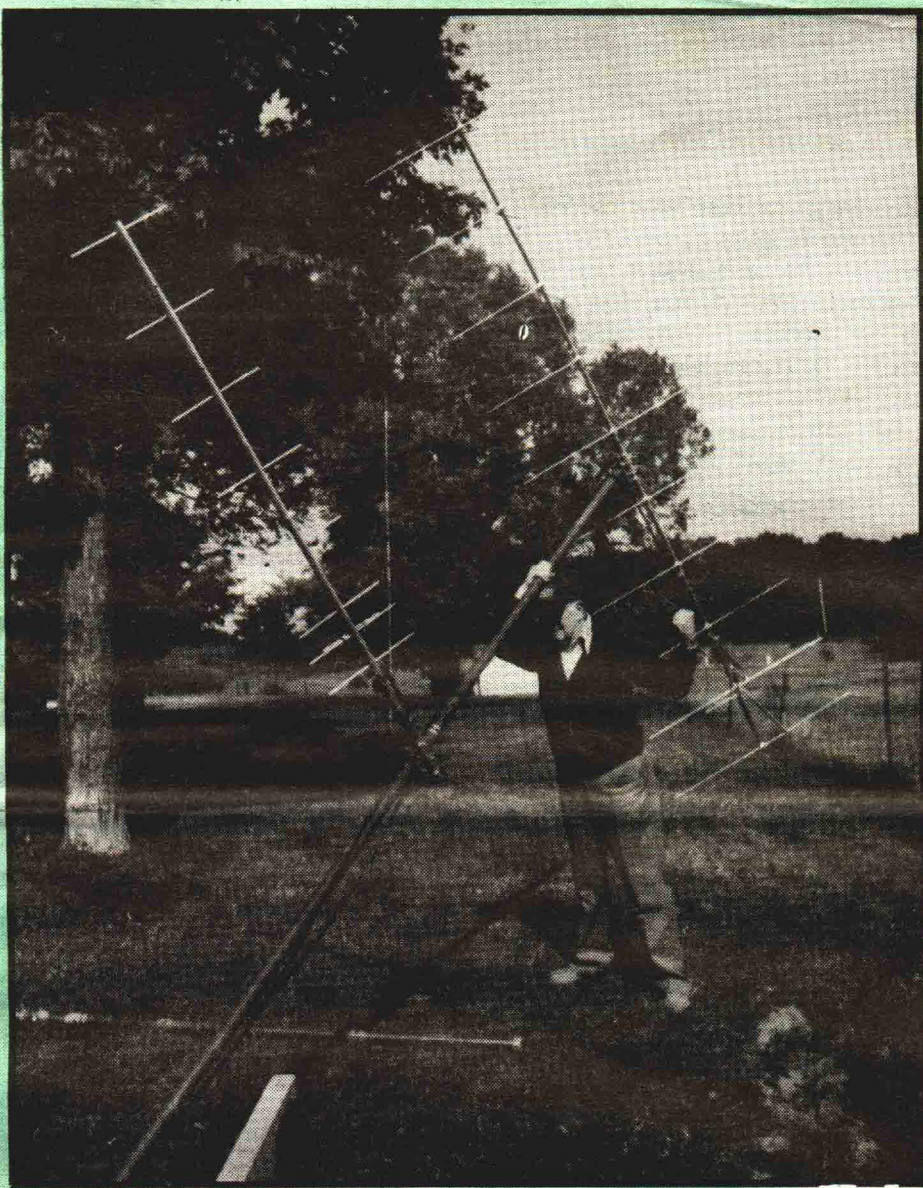
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Using Your Head Can Help Solve Field Day Antenna Setup Problems

Field Day is a lot of things. It's a contest. It's a social event. But its primary purpose is to test radio amateurs' ability to provide communications during conditions which would be expected following a disaster. That includes makeshift antennas and, as shown in this photo, makeshift ways to aim those antennas, too. Harry Westlund, K9EHJ, at the operating site of the Yellow Thunder Amateur Radio Club, is shown helping to aim a newly-assembled 2-meter/70cm array in the direction of OSCAR 13. He is using the "tripod" method of temporary support: two hands and one head. In spite of strong line noise, the station and antenna did work well. More Field Day photo coverage is in this issue, and more will follow in our September issue.



ARRL Board Meets

The ARRL Board of Directors met in Rocky Hill, Connecticut, July 17 and 18, 1992. The following is a summary of the meeting highlights:

Responding to a Digital Committee recommendation, and membership input on the question, the Board directed that a petition for rulemaking be drafted for filing with the FCC to effect semi-automatic, unattended digital operation on the HF bands. The petition is to be reviewed by the Executive Committee before filing.

The Board deferred further consideration of changing the name of the organization until the 1993 Annual Meeting so that the full rationale for the proposal can be shared with the membership.

A national alert DTMF tone standard was adopted in response to a Public Service Advisory Committee recommendation.

Abdul Jabbar Marafi, 9K2DZ, was selected as the recipient of the ARRL International Humanitarian Award for 1991 for his work as the "Last Voice From Kuwait."

Patricia Hensley, N4ROS, was selected as the ARRL Professional Instructor of the Year for 1991. Thomas Hammond, N0SS, is Herb S. Brier Instructor of the Year.

James F. Heil, KB5AWM, was picked as the inaugural recipient of the Philip J. McGan Silver Antenna Award in recognition of his public relations efforts on behalf of Amateur Radio.

The 1991 Technical Excellence Award went jointly to Roy Lewallen, W7EL, Rick Campbell, KK7B, and Bruce Hale, KB1MW.

The ARRL will cast votes supporting admission of the Chinese Taipei Amateur League; Slovenian and Croatian Amateur Societies into the IARU.

ARRL staff was directed to more effectively promote family membership to licensed spouses and children of ARRL members.

A Field Organization Volunteer of the Year Award was created to be administered at the Division level.

An ARRL Industry Advisory Council was created in response to a Long Range Planning Committee recommendation.

The Board encouraged Section Managers to appoint Assistants to promote youth activities in their sections.

The Board authorized a new "official family" style callsign badge for Life Members.

A full report on the ARRL Board of Directors meeting will appear in September QST.

- ARRL Bulletin 68, 7/19/92

The Great Circus Train: Miles of Smiles, and Ham Radio, too!



The Great Circus Train left Baraboo on Tuesday, July 7, on its two-day journey to Milwaukee with its flat cars loaded with the Circus World Museum's colorful and priceless circus wagons for the Great Circus Parade in Milwaukee on Sunday, July 12. Just under 400 passengers and ham radio rode along, providing communications for any unexpected emergencies. Cellular telephones were also provided by the hams, and were used extensively by various news media personnel to report directly from the train. In the photo at left, CWM staffer Dale Williams (left) confers with Jack McLeland, W9ATK. In the photo at right are Mike Wesolowski, KA9TGN, and Bob Goldstein, K9KJT, operating the Amateur Radio equipment. In the background is a reporter using a cellular telephone. We thought our readers might like to see a little more of what the train ride is like; see page 6.

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What's Happening

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Edited by Kenneth A. Ebnetter, K9EN • 822 Wauona Trail • Portage, WI 53901

Swapfests and Other Social Events

SUNDAY, AUGUST 9, 1992. HAMFESTERS Radio Club 58th Annual Hamfest will be held at Will County Fairgrounds, Peotone, IL. 35 acres, no parking problems, clean restrooms, air conditioned exhibit building, six covered pavilions for flea market, food and beverage service available. Contact: David F. Brasel, NF9N, (708) 448-9432

SATURDAY, AUGUST 15, 1992. Rhinelander-Tomahawk-Eagle River Hamfest will be held on Hwy. 17 at the Sugar Camp Town Hall, 12 miles North of Rhinelander on Highway 17. Starts at 8:00 a.m. with an auction at 1:00 p.m. Amateur Radio license exams. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296. (see ad elsewhere in this issue for further information on the fine event.)

AUGUST 23-23, 1992. ARRL 1992 National Convention, Los Angeles, CA. See QST for details.

SEPTEMBER 19-20, 1992. Peoria Superfest, Peoria, IL. Contact Peoria ARC, P.O. Box 3508, Peoria, IL 61612. (309) 685-6698. (see also ad on back page.)

SATURDAY & SUNDAY, SEPTEMBER 26 & 27. The Chicago FM club will sponsor Radio Expo 92 at the Lake County Fairgrounds, Rts 45 and 12 in Grayslake, IL. VEC testing. Contact: CFMC, PO Box 1532, Evanston, IL 60204. (see ad elsewhere in this issue.)

SUNDAY, OCTOBER 11, 1992. The KMRA 1991 Computer and Ham Radio Swapfest will be held at the Waukesha County Exposition Center, Hwys. J

and FT in Waukesha, WI. Contact KMRA Swapfest, P.O. Box 411, Waukesha, WI 53187-0411.

SATURDAY, NOVEMBER 7, 1992. "6.91 Friendly Fest", Serb Hall, 51st & Oklahoma Ave., Milwaukee, WI. Contact: The Milwaukee Repeater Club, P.O. Box 2123, Milwaukee, WI 53201.

SATURDAY, NOVEMBER 14, 1992. Fort Wayne, IN Hamfest. Contact AC-ARTS, P.O. Box 10342, Fort Wayne, IN 46851.

SUNDAY, JANUARY 10, 1993. 21st Annual WARAC MIDWINTER swapfest, Waukesha County Expo Center Forum, Waukesha, WI. Contact WARAC Swapfest, P.O. Box 1072, Milwaukee, WI 53201. Please note this will be on a Sunday next year instead of the previous Saturday dates. (see also ad on back page.)

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the March 1992 meetings column for the latest complete listing. The following are additions or changes

example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting Material from Badger State Smoke Signals

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Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

since that listing.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. No meetings in July, August and December. Meetings begin at 7:00 pm.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

August 1, 1992	Appleton, WI
August 8, 1992	Madison, WI
August 8, 1992	Oak Forest, IL
August 8, 1992	Dixon, IL
August 18, 1992	Milwaukee, WI (MRAC)
August 18, 1992	Eden Prairie, MN
August 22, 1992	Fond Du Lac, WI
August 22, 1992	St Paul Park, MN
August 29, 1992	Milwaukee, WI (MRAC)
August 29, 1992	Tomahawk, WI
August 29, 1992	Cresco, IA
September 7, 1992	Dubuque, IA
September 12, 1992	Madison, WI
September 12, 1992	Marshfield, WI
September 12, 1992	Oak Forest, IL
September 12, 1992	Bloomington, MN
September 15, 1992	Milwaukee, WI (MRAC)
September 15, 1992	St Paul, MN
September 19, 1992	Milwaukee, WI (BE)
September 20, 1992	Des Moines, IA
September 26, 1992	Milwaukee, WI (MRAC)
September 26, 1992	Tomahawk, WI
September 26, 1992	St Paul Park, MN
October 10, 1992	Madison, WI
October 11, 1992	Milwaukee, WI (BE)
	KMRA Swapfest
October 17, 1992	Medford, WI
October 20, 1992	Milwaukee, WI (MRAC)
October 21, 1992	Milwaukee, WI (MRAC)
October 31, 1992	Milwaukee, WI (MRAC)
November 7, 1992	Menomonie, WI
November 7, 1992	Milwaukee, WI
	6.91 Friendly Fest
November 9, 1992	Onalaska, WI
November 14, 1992	Madison, WI
November 14, 1992	Fond Du Lac, WI
November 14, 1992	Marshfield, WI
November 17, 1992	Milwaukee, WI (MRAC)
November 21, 1992	Milwaukee, WI (BE)
November 21, 1992	Dubuque, IA
November 28, 1992	Milwaukee, WI (MRAC)
December 5, 1992	Stevens Point, WI
December 12, 1992	Madison, WI
December 15, 1992	Milwaukee, WI (MRAC)
December 19, 1992	Milwaukee, WI (BE)

Monthly, First Sat. Racine, WI
(except January, July & August)

Monthly, Last Sat. Tomahawk, WI
(January thru October only)

Monthly, Third Sat. Loves Park, IL

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit

Badger State Smoke Signals

Amateur Radio Education and Information

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EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.40 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

TUESDAY DATES: At 6:30 p.m. at church, 11709 West Cleveland Ave., West Allis, WI.

SATURDAY DATES: At 8:30 a.m. in the lower level of Savings and Loan, 7500 W. State St., Wauwatosa, WI.

For Additional Information Contact; Jack Krause, W9JK, 1737 N. 116th St., Wauwatosa, WI 53226. (414) 774-6999 or Les Peterson, W9YCV, 9741 W. Howard Ave., Greenfield, WI 53228. (414) 321-4745.

Bring along your original license and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required are a pen and \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walk-ins are welcome. CW waiver forms are available. Please send a request with an SASE prior to taking an exam, so it is ready when attending the session. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, W19M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

MADISON WI

Monthly, every second Saturday

Exams held at 8:00 a.m. in the Operations Building of the Madison Metropolitan Sewerage District, 1610 Moorland Rd. Turn South off Highway 12 & 18 on South Towne Drive, go 3/4 mile until South Towne Drive becomes Moorland Rd. Turn right into the treatment plant. Follow the road to the building with the 160 Ft. tower. Go in to the first room on the right. For further information contact Mark E. Jenks, N29B, 1718 Washington St., Mount Horeb, WI 53572 (608) 832-6631.

MEDFORD WI - ARRL/VEC

October 17, 1992

Held 8:30 a.m. at the Multi-purpose building (yellow) located at the Taylor County Fairgrounds in Medford, WI. From Highway 13 & 64, turn east on 64 and enter the second driveway on the north side of the road, across from the Auto Stop convenience store. Advance reservation appreciated, but walk-ins accepted. Contact Greg Garner, W9W, (715) 453-7096 or Mike Schoenfuss, N9GHZ, (715) 223-3996, and leave a message with your name, phone no., and exam element wanted.

FOND DU LAC - (W5YI-VEC)

Saturdays, Aug. 22, and Nov. 14, 1992.

The Fond du Lac County VEs will administer exams starting promptly at 1:00 pm, please be on time. Exams are given at the Red Cross Building, 272 N. Main St., Fond du Lac, WI 54935. Please use the back entrance. Talk-in on 147.09+. Walk-ins only, no preregistration is needed. For more info call: Gary Pelletier, KA9QOT (608) 837-3433.

Yellow Thunder Amateur Radio Club

Harry Westlund, K9EHJ, Secretary

K9ODK
WB9FDZ

720 Jefferson Street • Baraboo, WI 53913



The July meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order by the President, Art Kleefisch, W9WSS, at 7:32 p.m.

The minutes of the June meeting as printed in the BSSS were approved with the following correction: It was Bill Klinkner, N9KXX who conducted the meeting on a motion by L. J. Hemmer, WB9TFJ, and seconded by Tom Thomson, N9LLF.

The Treasurer, Jim Decker, WB9UQT gave his monthly financial report.

Art Kleefisch, W9WSS, announced the names of the 5 new hams in the area. Effort will be made to contact these people to solicit membership in YTARC.

L. J. Hemmer, WB9TFJ, announced the possible formation of a satellite net in Madison. Check into 147.5 MHz. on Wednesday evenings. There was also a Ham Conference on 147.15 MHz., also in Madison.

July 7th, Art Kleefisch, W9WSS, participated in communications for the bicycle riders camping overnight at the Wilson School grounds.

There was a small change in the By-laws on a motion by L. J. Hemmer, WB9TFJ and seconded by Bill Klinkner, N9KXX.

It was urged that all members be at the next meeting on August 2, 1992 to participate in two special events. One is the nomination of officers for the club for the next year. For the second event, see the box below.

The Buck Nite winner was Pete Sweeney, WD9JIB, who is also a loser. He wasn't present to win the prize.

On a motion by Bill Klinkner, N9KXX, and seconded by L. J. Hemmer, WB9TFJ, the meeting was adjourned at 8:30 p.m.

Respectfully submitted,
Harry Westlund, Secretary

The next meeting of the YTARC will be held on August 12, 1992 at the Baraboo Civic Center. See box below for detail of program.

The following members and guests were present for the July meeting:

Raymond Matlosz, N9MLZ	Reedsburg
Duane Grotophorst, KA9HKL	Loganville
George G. Gabay	New Lisbon
Tom Thomson, N9LLF	Sauk City
Leroy Gauss	Sauk City
Chuck Skooglund, WA9TOZ	Lodi
L. J. Hemmer, WB9TFJ	Baraboo
Rohbert Hemmer, N9LXX	Baraboo
Jim Decker, WB9UQT	Baraboo
Harry Mayland, K9FFT	Baraboo
Harry Westlund, K9EHJ	Baraboo
Bill Klinkner, N9KXX	Sauk City
Marvin Kaiser,	Wisconsin Dells
Kevin Perry, N9LME	Prairie du Sac
Arthur J. Kleefisch, W9WSS	Baraboo

YELLOW THUNDER AMATEUR RADIO CLUB

BEGINNER FOX HUNT (EASY LEVEL)

Wednesday August 12, 1992

7:30 p.m. start

Baraboo Civic Center - back parking lot

Talk in & Fox hunt on 146.52 MHz.

Mobile rigs or handheld rigs

Hand held antennas up to 4 elements

Regular club meeting at 8:00 p.m.

Refreshments will be provided.

MENOMONIE WI - ARRL/VEC

Saturday: Nov. 7, 1992

The Northern Wisconsin Radio Club sponsors exams from 9 to 11:30 a.m. at the U. W. Stout Communications Center, 820 South Broadway, Menomonie, WI. Use front entrance of building. Walk-ins are accepted only to extent of available exam materials.

Contact: Jim Ley, NX9F, (715) 235-3998 (H); or (715) 232-1397 (O).

MARSHFIELD, WISCONSIN

1992 dates: Sep. 12, Nov 14.

Sponsored by the Marshfield Area ARS. Second Saturday every other month, at St. Joseph Hospital, School of Nursing entrance. Room 124. St. Joseph Ave., Marshfield, WI. Walk-ins Welcome. Contact Walter Friant, WBOKIN, 2310 Wal-lonnie Dr., Marshfield, WI 54449.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted. Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

STEVENS POINT, WI - ARRL/VEC

December 5, 1992

Contact: Joe Larson, (715) 344-1182 (evenings).

APPLETON, WI - ARRL/VEC

Contact: Larry Siebers, (414) 788-3823

ONALASKA, WI

November 9, 1992

Contact: Rick Williams, KV9U, 534 Troy St., Onalaska, WI 54650. (608) 783-8028.

DUBUQUE, IOWA - ARRL/VEC

1992 examination dates: September 7, and November 21. The Great River ARC VEs are now field-stocked with examinations, which means that retests can be given immediately. Exams are held at 9 a.m. at the Central Fire Station, 9th and Central, Dubuque. Use the basement entrance on 9th Street. Talk-ins are on 147.84/24, 147.63/03, and 146.295/895 repeaters. Contact Mike Jozefowicz, NSOU, 2735 Hockory Hill, Dubuque, Iowa 52001, (319) 582-8563.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (DeVry VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HGX, (815) 987-6754.

GREEN FOX AMATEUR RADIO CLUB

At our last meeting it was brought to my attention that the date for our annual Green Fox ARC Picnic was listed incorrectly in the last issue of BSSS. The correct date should be Aug. 22 nd - rain date Aug. 23. Thanks Jim and keep up the good work!

73, Jack, KB9WC

Wisconsin Nets Association Ltd.

Rob Hummel, WA9ZTY, Secretary • 202 Midvale Drive • Marshall, WI 53559

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3984	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	WB9ESM
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



ASM: K9FHI. SEC: WB9SMM. STM: K9-KSA. BM: WB9JSW. OOC: N9CAP. PIO: K9ZZ. TC: K9GDF.

New ARRL affiliated clubs are LEFROG ARC and BSA Pack 139 ARC.

New Milwaukee RAC officers: Pres. W9PWG, V.P. W9VQD, Treas. KA9ONQ, Secy W9NZF.

Rock River RC Fall Fox Hunt will start at 6 p.m. on Sept. 8.

Exams: Sept. 12 Marshfield Area ARS, WB0KIN; Milwaukee RAC Sept. 15 and 26, W9JK or W9YCV; Tomahawk VE Sept. 26, WA9W.

Net on 50.16 MHz meets Mondays and Thursdays at 9 p.m. per WB9JWT.

Write to me for free information on how you can become more active in the ARRL as a League appointee in Wisconsin.

Thought of the month: *If you're feeling good, don't worry. You'll get over it.* □

Minutes of the June meeting of the WNA are on page 12 of this issue.

Attention Volunteer Examiner Groups

Please send your examination schedule to *Badger State Smoke Signals*. This not only helps you to meet the requirement that exam sessions be publicized, but it also will bring you more exam candidates. Schedules should be sent well in advance of the first session to Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901.

Net News and Gossip

Written and Edited by the Net Managers

Wisconsin Intrastate Net/Late (WIN/L)

Ed Rice, W9NGP, Net Manager
W-126 Lang Road
Oconomowoc, WI 53066

It's summer: the time of high QRN and low QTC. Looking at the records for 1989 and 1990, I find that the QTC and QSP for our net remained fairly constant each month from January through June for both years. In 1989, for example, QTC in January was 60 and in June it was 63. In 1990, it was 71 in January and 79 in June.

But 1991 and 1992 are a different story. QTC in January 1991 was 72, and it decreased steadily to 48 in June. The same trend appears in 1992, where QTC starts in January at 108 and drops each month until June when it is 47. QSP totals follow the same trend.

Band conditions have an effect, of course, but I don't remember that QRN was any less than usual in 1989 and 1990. It appears that CW traffic is getting scarce. If we want more business, we will have to generate it ourselves by sending greetings to friends and relatives in distant places and maybe offering to send a free message for neighbors and friends.

K8SB, Stan Briggs, who now lives in Wisconsin, is checking in regularly and we are glad to have him with us.

K9SAO, Bob Graham, has become a regular participant on the WIN/L, and will soon earn a certificate.

W9YCV, Les Peterson, has the most QNI, followed by K9KSA, Don Stenz.

Thanks to all the members of WIN/L for your efforts to make 1992 a successful year.



Ed Rice, W9NGP

73, Ed

FCC Proposes Relaxation of Rules Regarding Public Service Work

The Federal Communications Commission (FCC) has proposed to relax its rules for amateurs to permit some public service communications that are currently prohibited. The proposed changes, in PR Docket 92-136, would give amateurs greater flexibility in providing communications for public service activities such as parades, fairs, and races, as well as for certain personal communications.

The proposed changes were presented at an open meeting of the Commission on June 18, 1992, and are based on recommendations of the American Radio Relay League (ARRL), as outlined in March, 1992 *QST*, page 62. In order to protect the non-commercial basis for the amateur service, any communications for hire or for material compensation, direct or indirect, would continue to be strictly prohibited.

The FCC's announcement of the proposal contains one caveat for amateurs. "While eliminating some of the existing restrictions would provide the flexibility to expand public service activities and satisfy the personal interests (of amateurs), the potential for commercial exploitation and abuse of the amateur service's allocated frequencies could increase," the Commission said.

FCC Personal Radio Branch (PRB) staffer William Cross told the Commissioners that the pecuniary interest constraints in the current rules often prohibit public service communications by amateurs. Cross said there had been several petitions for changes in the rules, and that the PRB had chosen the League's version for presentation.

Commissioner James Quello expressed concern about any alteration of the original intent of the Amateur Radio Service, saying he did not want anything in the proceeding to endanger the Amateur Radio Service's tradition of self-regulation.

Quello, and other Commissioners in turn, then brought up the recent increase in complaints from some amateurs about so-called "indecent" language on the amateur bands. PRB Chief Ralph Haller responded by noting that such speech - on broadcast as well as amateur frequencies - is protected by the First Amendment and is a gray area.

Haller praised the League for its recent survey of young amateurs. Haller noted that PRB and other offices within the FCC continue to work on the "indecent" enforcement issue. Haller emphasized that it was only a handful of bad operators that was at issue. He said the vast majority of the 560,000 amateurs obeyed the rules, but that there were a dozen or so bad apples causing the "indecent" complaints.

(Later, at a press conference, Haller noted that the issue of language on the amateur bands had no connection with the proposal being considered.)

Returning to the matter of amending the "business communication" rules, Commissioner Ervin Duggan said his interest was in preserving the original intent of the Amateur Radio Service, calling the proposed rules changes "fraught with implications." He advised "extreme caution,"

Please turn to page 7

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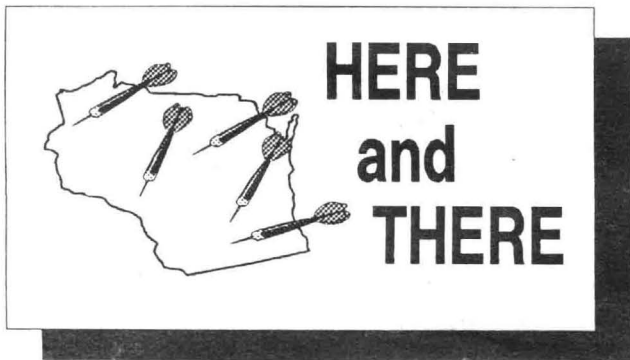
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FCC Call Sign Update

The following is a list of the FCC'S most recently issued call signs as of July 1:

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0JI	KF0ZO	N0THY	KB0KNK
1	AA1CY	KD1JN	N1MZT	KB1AGR
2	AA2KC	KF2JJ	N2RSQ	KB2PCW
3	AA3BA	KE3DS	N3MXA	KB3AFP
4	AC4SG	KQ4BD	++	KD4QJJ
5	AB5GP	KJ5BY	++	KB5TQW
6	AB6MG	KM6XE	++	KD6LIX
7	AA7QD	KI7EL	N7ZNV	KB7PGB
8	AA8HX	KF8WB	N8UTT	KB8OEC
9	AA9EK	KF9KI	N9QEQ	KB9IAP
Hawaii	++	AH6LZ	WH6HB	WH6CPS
Alaska	++	AL7OJ	WL7FC	WL7CGA
PR	++	KP4TZ	++	WP4LGR

++ All call signs in this group have been issued in this area.

- ARRL Bulletin 67, 7/16/92

ARRL Central Division Director, Vice Director Elections Upcoming

The American Radio Relay League has sixteen divisions, each of which has a director and a vice-director who are elected by the Full Members of the League in those divisions. Of the 16 divisions, director and vice-director positions are up for nomination in eight, including the Central Division (Wisconsin, Illinois, and Indiana).

The nomination process has been changed somewhat, primarily in that nomination petition forms must be standard forms from ARRL Headquarters, 225 Main Street, Newington, CT 06111.

If you are interested in making a nomination, or in being a candidate for either office, the full information is in July *QST*.

The Central Division incumbents are long-time Director Edmond Metzger, W9PRN, Springfield, Illinois, and multi-term Vice-Director Howard Huntington, K9KM, Lake Zurich, Illinois.



Edmond Metzger,
W9PRN

Two Amateurs Hit with Major Fines

The FCC has handed down two more hefty Notices of Apparent Liability (NALs) to amateurs for apparent rules violations, under a new fines policy adopted in August, 1991.

On June 3, the FCC fined Advanced class licensee James L. Brantley, K6KPS, \$8,000 for malicious interference and "broadcasting." Brantley, 65, of Los Angeles, had been cited by the FCC in 1985 for similar violations.

The FCC based its NAL on K6KPS's operations on July 28, 1991 on 14.303 MHz, in which, according to the Commission's letter to Brantley, he

Stolen Car and Amateur Radio Equipment

On Wednesday, July 8, 1992, at 5 p.m., a 1980 blue Buick Riviera was stolen at Lost Canyon in Lake Delton. The car bore Amateur Radio call sign license plates W9SUF. Two radios were in the vehicle, an Icom IC-27H, serial number 04647, and an Icom IC-02AT, serial number 54185. There were extra battery packs for the IC-02AT. Also taken was a new Canon Model L-1A 8mm camcorder, serial number 2310300681, and two lenses, a Canon CL 8-120mm 15X, serial number 3500649D, and a Canon CL 5-15mm, serial number 36003848. The car had a compass atop the dashboard, and a "driving computer" (mileage calculator, etc.) on the front of the dashboard. If you have any information about the theft or the equipment, please call the Sauk County Sheriff's Department in Baraboo at (608) 356-4895.

"apparently emitted repetitive one-way transmissions consisting of 'CQ' calls and other calls that were not actually intended to establish communications.

"These one-way transmissions were apparently intended to cause, and apparently did cause, interference to the communications of other amateur stations," the FCC said.

"The Commission," the letter continued, "has obtained this evidence by monitoring transmissions at its Livermore, California, field office, from monitoring near your station by a Commission mobile unit, and from the complaints of other amateur operators concerning the July 28, 1991 interference."

The fines were \$7,000 for willful or malicious interference and an additional \$1,000 for "broadcasting," and were set based on guidelines set out in the 1991 policy statement.

- The ARRL Letter, 7/13/92

FCC Alleges VE Fraud

On June 29, 1992 the FCC fined a Technician Class amateur \$1,500 for fraud in connection with a license application. Russell D. Hutchings, N0QMZ, of Ashland, Missouri, is accused of submitting an altered Certificate of Successful Completion of Examination (CSCE) to volunteer examiners at a test session held September 10, 1991 in Columbia, Missouri.

"The CSCE at issue," the FCC said in its letter to Hutchings, "was altered to indicate that you had passed examination element 1B (13 words per minute Morse code.) You stated to a Commission staff member in a telephone conversation that you innocently circled element 1B because you needed to pass this element.

"It appears, however," the FCC said, "that this alteration was an attempt to obtain a license by fraudulent means."

In both the interference and the exam fraud actions, the amateurs must respond within 30 days by either paying the fine or by sending a "detailed rebuttal statement of facts and reasons" to the Commission.

- The ARRL Letter, 7/13/92

FCC Proposes Bringing Novice Exams Under VE Program

The FCC has issued a Notice of Proposed Rule Making in PR Docket 92-154 that would require Novice Class license examinations to be administered by the Volunteer Examiner program, which

Designer Says E-Lamps Clean, Should not Concern Amateurs

Should RF-powered lightbulbs ("E-lamps") be a concern for amateurs? No, says the designer and patent holder of the device, Diablo Research Corporation. "Diablo Research Corporation employs a number of Amateur Radio operators," says project manager Mel Farrer, K6KBE. "We are very sensitive to interference on our ham frequencies and take pride in designing high quality products with this in mind."

Diablo, a 10-year-old design and consulting company in Sunnyvale, California, designed and developed the E-lamp, according to Farrer, and has licensed its patents on the device to Intersource Technologies, also in Sunnyvale. While Diablo continues engineering work on the lamps, Intersource will manufacture them, Farrar said.

Diablo says the physical design of the E-Lamp "has been carefully refined for maximum efficiency (lumens per watt) of energy transfer to the plasma within the enclosed bulb structure. To achieve this, the design must reduce any unintentional radiation losses to a minimum. The E-Lamp must conform to Parts 15 and 18 (of the FCC's rules) for radiation and conduction.

"The E-Lamp has no harmonics within any amateur band below 420 MHz," Diablo says.

Even effects above 420 MHz should not be a concern, Diablo says. "Using a FT-470 as a receiver with the squelch set at a normal noise free mode," Farrar said, "the 420 to 447.48 MHz harmonics (from an E-Lamp) do not open the squelch until the antenna touches the operating E-Lamp. Setting the squelch to the ragged edge and moving the antenna within a foot will open the squelch. There is no modulation detected when the squelch is opened, just weak signal noise."

When asked about the possibility of broadband noise from the E-Lamp, Farrer said there was "virtually none." As for the susceptibility of the bulbs to nearby sources of RF such as in an amateur's station, Farrer said there would probably be less than that exhibited by a fluorescent light bulb.

Intersource Technologies, from whom engineering samples must be obtained, has not yet said when they will be available.

- The ARRL Letter, 6/24/92

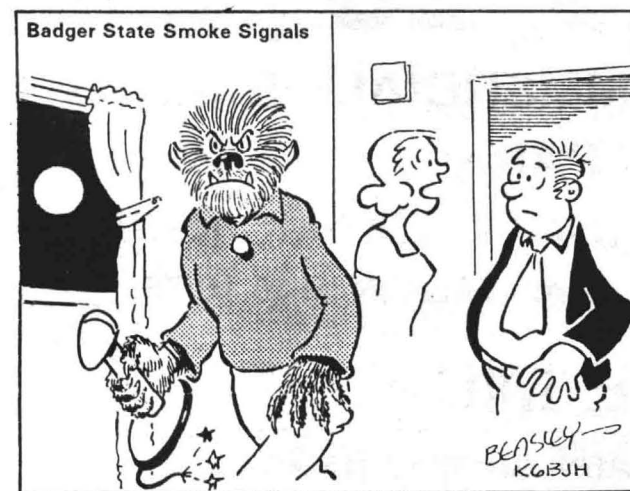
now administers all other license class examinations. The plan is essentially as proposed by the ARRL and W5YI Volunteer Examiner Coordinators and described in April 1992 *QST*, page 63.

The FCC's NPRM notes that the codeless Technician is now the entry-level license of choice over the Novice Class, that the FCC is burdened by an application error rate of 9.4 percent for Novices as compared to only 0.8 percent for VE-administered examinations, and that no pass-versus-fail records are available from Novice examinations, as they are for VE-administered exams.

The FCC believes bringing Novice exams under the VEC system would be in the public interest, saying the VEC system "has demonstrated both its efficiency and its integrity. We conclude that Novice Class amateur operator examinations would benefit from those same two virtues."

Opposition to this plan has been primarily a concern that Novice exams would not be as readily

Please turn to page 15



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On Board the Great Circus Train



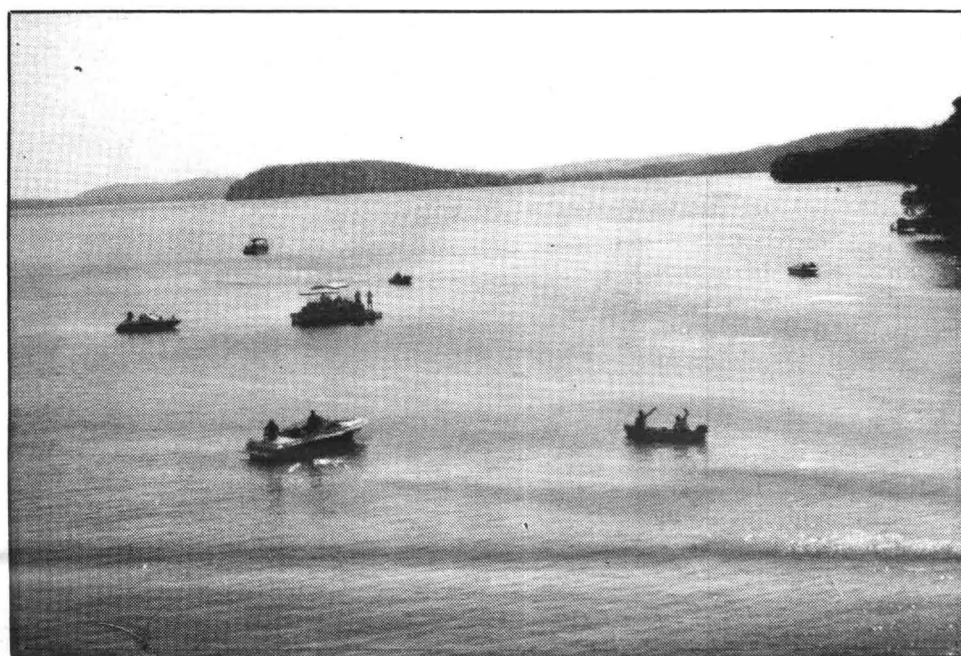
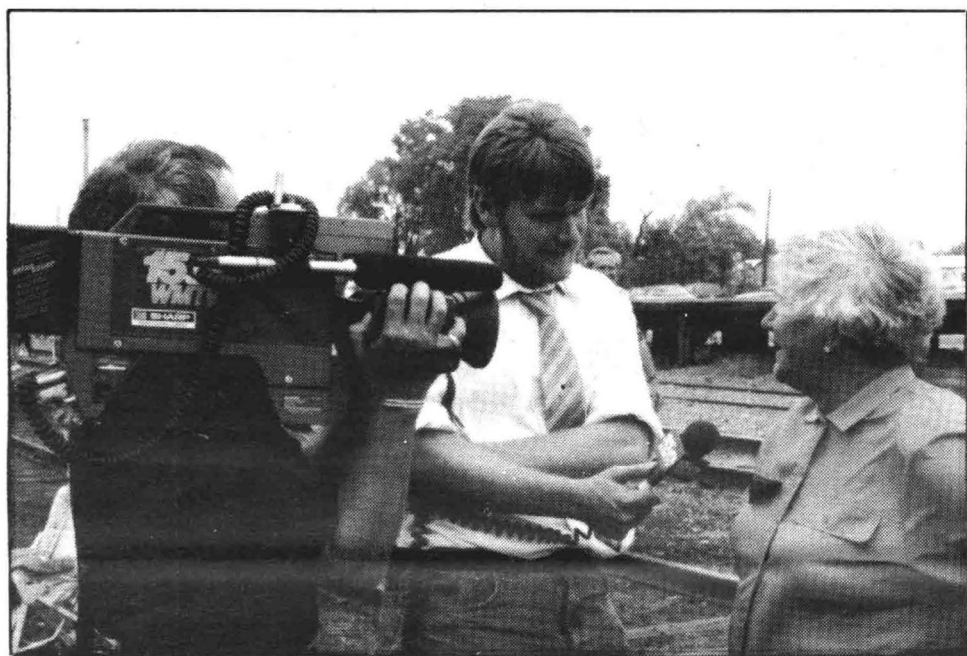
There are "Bullet" trains, AMTRAK trains, and lots of other trains, but there is *no* train anywhere like the Great Circus Train. We thought we'd give you a brief glimpse of what this train is like.

Upper Left: The more than 25 flatcars loaded with colorful, antique circus wagons are visible here as the train rounds a curve south of Brooklyn, Wisconsin.

Left: Lisa Edgar is vocalist and banjo player with the Milwaukee-based dixieland jazz band Razmatazz. That banjo was made by C.C. "Rich" Richelieu, W9JS, in his banjo factory in Oregon, WI. Rich would be proud to hear his creation played the way Lisa plays it!

Lower left: During a one-hour stop in Madison, A woman is interviewed about the train by WMTV/-Channel 15 assignment reporter Jim Beal, originally from Baraboo, home of BSSS World Headquarters.

Lower Right: As the train crosses the railroad trestle at Merrimac, a "fleet" of 25 or more small boats waits and watches the train cross Lake Wisconsin. Some boaters wave, some take photos or video, and some honk their horns. The photo shows only a small part of that fleet.



Letters Support Return of Special Call Requests

The American Radio Relay League has once again gone on record supporting the development of a system for granting special amateur call sign requests, this time by endorsing a proposal made by two influential mem-

bers of the House of Representatives.

On June 12, 1992, Rep. Ralph M. Hall of the 4th District, Texas, who is a member of the House Telecommunications and Finance Subcommittee and also a cosponsor of House Bill H.R. 73, wrote to the FCC, "on behalf of several amateur radio operators who are interested in the establishment of a system for allocating distinctive call signs."

Also signing the letter in support was Rep. Edward J.

Markey of Massachusetts, chairman of the subcommittee.

"We understand," Hall and Markey wrote, "that the Commission already has a system in place which assigns call signs based on a licensee's address and operator class. This method is orderly and cost-effective, but it does not allow for the creation of unique call signs which could be obtained for an extra fee."

Please turn to page 12

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From the Old Goat

Jim Romelfanger,
K9ZZ, Editor



Your editor has a couple things on his mind to pass along to our readers this month. For your editor to even think is somewhat uncommon, but it does sometimes happen.

First, we hope you like our new column heading. There are some waggish readers who know me personally who would say that it is a good likeness. No argument from me. There are probably a few who would say that instead of the front end of a goat, it should be the back end of a horse. No argument there, either. Now, to the more important and the less mundane.

As you read in our July issue, the Amateur Radio Spectrum Protection Act of 1991, introduced in the U.S. House of Representatives by Rep. Jim Cooper of Tennessee and in the Senate by Senator Al Gore, can still be passed by both houses of Congress and be signed into law by President Bush. But this can not and will not happen unless we show our support, firmly and in large numbers.

Please write to your representative and your two U.S. Senators (Wisconsin, Bob Kasten and Herb Kohl). Include a QSL card with your letter; they are "attention-getters." Urge your representative to sign as a cosponsor of H.R. 73; ask Kasten and Kohl to sign as cosponsors of S. 1372. Please send copies of your letters to Perry Williams, W1UED, at ARRL Headquarters, 225 Main St., Newington, CT 06111. Please also send copies of any replies you receive to Perry.

More information is in July *Badger State Smoke Signals* and in July *QST*.

If we do not put forth enough effort to get these bills passed, we will have lost an extremely important opportunity to have our remaining spectrum kept for us. The next time the FCC takes away more frequencies from us, maybe in your favorite or most important band, think about the chance we had right now - and that we will probably have only ourselves to blame.

Rules Changes for Ham Radio Public Service?

Continued from page 4

expressing the fear of such things as amateurs transmitting music.

Haller replied that he shared Duggan's concerns, and that there was no intention to change the character of the Service. Haller noted an absurdity in the rules, saying when he attended an amateur function recently, his arrival was announced locally on Amateur Radio - and that was a violation of the rules!

Finally, Chairman Alfred Sikes praised the League for its initiative in suggesting the rules changes, and said that Commissioner Quello has been a supporter of amateurs right along, while agreeing with Quello that nothing in the rules changes should be allowed to damage the integrity of the Amateur Radio Service or the fundamental self-policing aspect of it.

As this point, the Notice of Proposed Rule-making, incorporating changes in FCC Rules Part 97.113 as generally suggested by the ARRL, was approved unanimously by the Commissioners.

Following the meeting, Haller was asked several questions, one of which was whether, for example, cellular telephone companies would complain about increased use of Amateur Radio for personal affairs involving autopatch or phone patch use. Haller said that the volume of this kind of traffic was so small as not to be a problem, and that it was an incidental part of Amateur Radio.

The comment deadline for PR Docket 92-136 has been set for October 1, 1992, with reply comments due by December 1. The text of the NPRM is set for release around July 2.

• In our May and June issues, we asked for clubs and groups taking part in Field Day to send a few photos to BSSS for publication. Due to space limitations, only one club is represented photographically in this issue. Our next issue will contain FD pix from the Ozaukee and West Allis clubs.

We would like to publish 1992 Field Day pictures from other clubs and groups in our September issue, too. If you have some, please send them to the editor. Remember to provide:

(1) the operation's call sign,
(2) category of operation,
(3) location of the operation, and
(4) names and call signs of operators in the photos.

Thanks!

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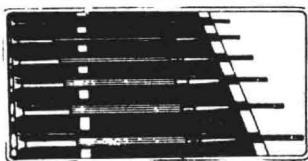
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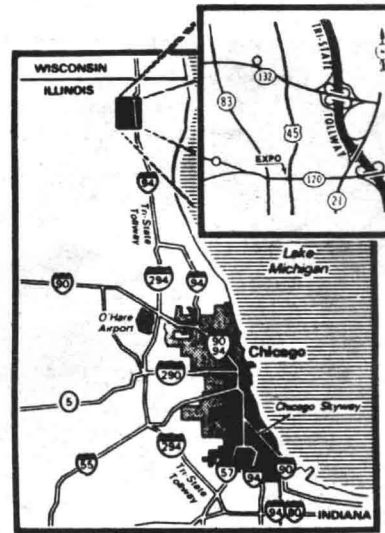
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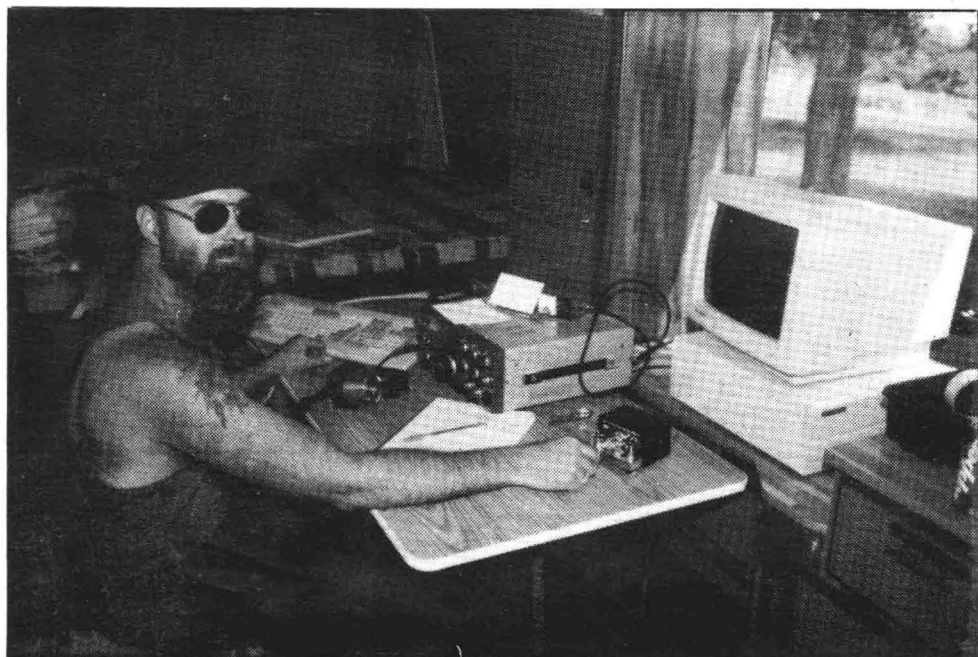
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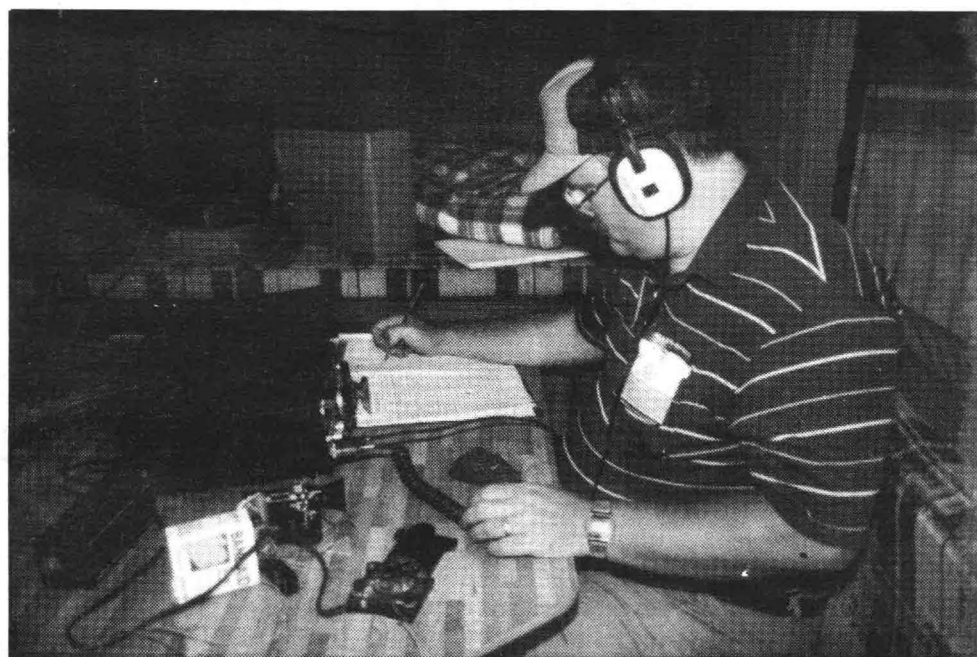
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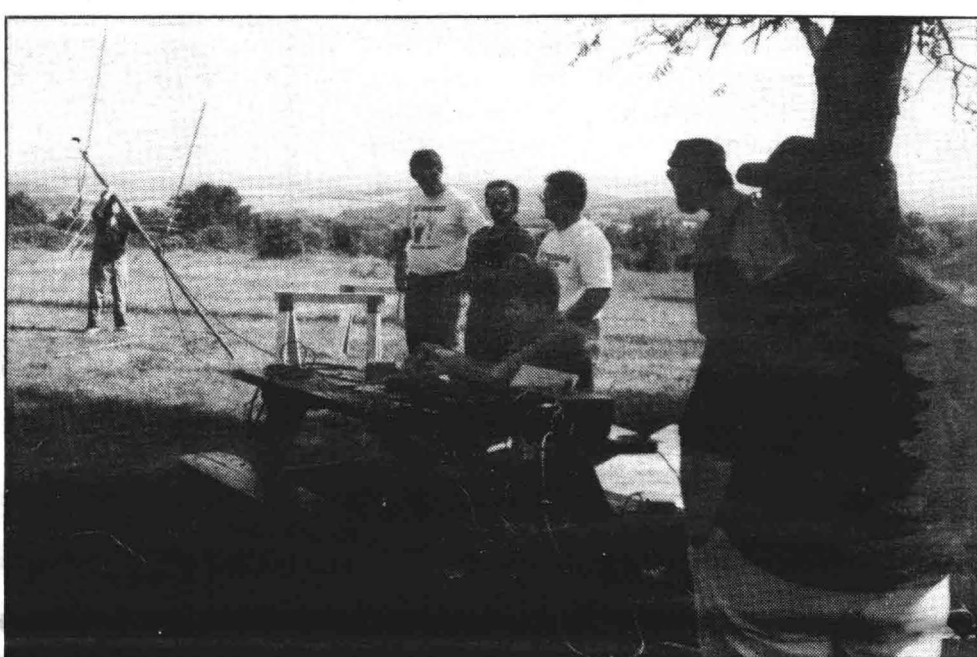
Bob Sauvin, WT9Q, operated some nice, sweet high-speed CW on 20 meters from a comfortable location in a camper.



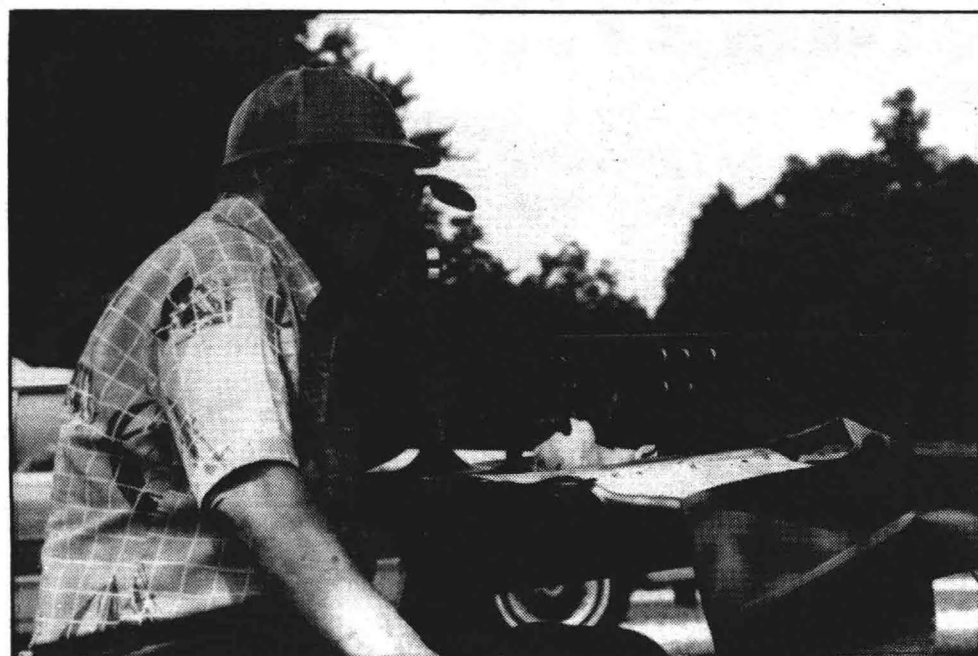
From that same comfy QTH, Steve Schwoegler, WB9RNL, held forth on 15 meter SSB, and made a nice pile of contacts.



The Novice station was set up and operated by Joeey Sweeney, KB9ERR, of Portage, wearing a cap. That's his brother Denny seated next to him. The Sweeneys also supplied the always-necessary charcoal grill.



A large crowd gathered as Duane Grotophorst, KA9HKL, seated, listened for his signals coming back from ASMAT-OSCAR 13. In spite of extremely high noise from a nearby power line, several AO-13 contacts were made.



Harry Westlund, K9EHJ, did an outdoor operating stint on ten meters. The club put forth an excellent effort, indeed.



Duane Grotophorst, KA9HKL, at right, listens intently through the power line racket for his downlink signals from AO-13.

The Yellow Thunder Amateur Radio Club's happy crew had the usual trials most every Field Day group encounters. The operators did very well on their outing, however. Several contacts were made through OSCAR 13, and a possible Sporadic-E opening on 2 meters provided a number of contacts with stations in the southern part of the U.S., including Tennessee and Arkansas. The old PE-75

generator worked just fine with its outboard CD ignition system in place of a defective magneto. 15 meters provided many contacts for operator WB9RNL. The high spots for your editor were working W1BIH and KA9BNR through AO-13, and grilling pork chops that were, for the very first time, *edible*, and not useable as hammers! □

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Volunteer Exam Coordinators Praised by FCC at Meeting

Federal Communications Commission officials have praised the volunteer examiner program for its efficiency, integrity, and for the part it has played in the recent explosion of new amateur licensees. Present at the National Conference of Volunteer Examiner Coordinators held June 11 and 12 in Gettysburg, Pennsylvania, were several FCC officials, as well as American Radio Relay League representatives Atlantic Division Director Hugh Turnbull, W3ABC; Atlantic Division Vice Director Kay Craigie, WT3P; and ARRL VEC Manager Bart Jahnke, KB9NM.

An informal agenda agreed upon and then discussed by the VECs included VEC guidelines; VEC self enforcement; Novice testing under the VEC program; the exclusion of certain age groups from test fees as well as uniformity in test fees among the different VECs; and the creation of a third class of volunteer examiners (in addition to the current Extra and Advanced class categories).

The assembled VECs also discussed Morse code testing, agreeing to disagree whether "standard" or Farnsworth spacing is preferable.

Procedures and paperwork for disabled exemptions also were discussed, including the FCC's new Form 610 (dated March 1992 and mandatory for disabled exemptions as of August 1, 1992).

The FCC Reports

The FCC's John Johnston spoke to the group, focusing on how applications are processed, the most common errors found on applications, and on current staffing at the Commission in Washington. He noted that nearly all of the FCC's Personal Radio Branch was present at the meeting; several employees from the FCC offices in Gettysburg, Pennsylvania arrived later.

Among the topics Johnston covered were the disabled exemption, the "Technician Plus" data base, and the question pools. He praised the volunteer examiner system, saying his feeling was that the availability and regularity of exams was at their highest level ever.

Johnston also tackled the issue of re-testing in the case of questions about the integrity of exams, saying that such requests would have to come from VECs when they have determined that a re-test might be justified.

Johnston said his personal "wish list" would be to have one omnibus amateur proceeding per year, with proposals for structural changes limited to every five years.

Private Radio Bureau Chief Ralph Haller praised the volunteer examiner program, then revealed that computer hardware and software updates were planned at Gettysburg. These might someday support electronic filing of applications (if Congress approves the idea of applications without signatures), and perhaps as little as one day turnaround from application to license, he said.

A return to issuing special call signs also is on the FCC's mind; a fee would be necessary for the special service, Haller said.

Returning to the informal agenda item regarding guidelines for VECs, while the FCC officials at first urged the VECs to simply adopt "gentleman's agreements," they were persuaded that such agreements have no teeth without the FCC's approval or blessing. The FCC officials then agreed

to periodically issue releases concerning VEC guidelines.

The various VECs will now work together to formulate guidelines for their operations.

Following the meeting, the Question Pool Committee announced a schedule for review periods and expiration dates for the question pools. They are:

- Element 3B (General class) - Syllabus work to begin 7/1/92, question pool work to begin 2/1/93, current pool to expire 6/30/94.
- Element 4A (Advanced class) - Syllabus work to begin 7/1/93, question pool work to begin 2/1/94, current pool to expire 6/30/95 (tentative dates);
- Element 4B (Extra class) - Syllabus work to begin 7/1/94, question pool work to begin 2/1/95, current pool to expire 6/30/96 (tentative dates).

Next year's meeting was set for June 18, 1993, in Gettysburg. Don Tunstill, WB4HOK, will be the moderator of the conference through the end of next year's meeting.

The following VECs were represented at this year's meeting: ARRL, W5YI, DeVry ARS, Sunnyvale VEC ARC, Central Alabama, Greater Los Angeles Amateur Radio Group, Laurel (MD) ARC, Mountain ARC, PhD ARA, Sandarc, Western Carolina ARS, and the Milwaukee RAC.

The DeVry VEC's presence was somewhat lame duck, DeVry having temporarily suspended operations in late May. Since the beginning of 1992, the DeVry VEC has had between three and four percent of total volunteer examination business.

- The ARRL Letter, 6/24/92

Happy Birthday!



When this picture was taken, your editor would never have guessed that the young lady on the right would be the first-rate achiever that she is today. But an achiever she is, working hard just south of the Mason-Dixon line in Louisville, Kentucky. Happy birthday on August 1 to my sister Mary! In the photo with her is a neighbor girl, Betty Fischer. They are in their first communion dresses, if my memory serves me correctly. Naw, I won't reveal her exact age, but the girls were about seven years old when this picture was taken with my trusty old Kodak box camera. Many happy returns, sis!

- Your brother, Jim, K9ZZ

NORTHWOODS AMATEUR RADIO



SWAPFEST - SUGARCAMP TOWN HALL
AUGUST 15, 1992

Sponsored by: Northwoods Amateur Radio Club,
Rhinelanders/Tomahawk Repeater Associations & ARRES
Starts at 8:00 AM with Auction at 1:00 PM



AMATEUR RADIO SWAPFEST = AUGUST 15

SUGARCAMP TOWN HALL - 12 MILES NORTH OF RHINELANDER ON HIGHWAY 17

TESTING:

1. Original License
2. Photocopy of License
3. Photo I.D.

8:30 Registration for testing sessions.

9:00 Testing session begins.

TALK-INS:

Talk-in on Rhinelanders
Repeater 146.94

ADMISSION \$2.00

Children under 12 free.

Tables \$5.00, please register in advance with swapfest chairperson.

VENDOR

INFORMATION:

Vendors may set up the night before [August 14 from 6:00 until 10:00 pm.]

Vendors may enter building on Saturday morning [August 15 at 6:00 am.]

SWAPFEST

CHAIRPERSON:

For reservation and information contact:

Mary Berger NS9Q
367 Lois Street
Rhinelanders, Wisconsin 54501
(715) 362 - 9296

QUALITY VENDORS:

There will be a variety of vendors present at the swapfest. Vendors interested in participating in the swapfest should contact the swapfest chairperson as soon as possible to reserve a setup.

CONCESSIONS

AVAILABLE

THROUGHOUT THE SWAPFEST.

There will be concessions available at the swapfest.

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Baraboo, Wisconsin

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SAREX Mission Overcomes Antenna Problems

U.S. Space Shuttle flight STS-50 just concluded as the longest ever while SAREX astronauts Commander Richard Richards, KB5SIW, and Mission Specialist Ellen Baker, KB5SIX, overcame antenna problems to make all eight scheduled contacts with schools.

Because of the shuttle's "tail to the ground" attitude on this mission, the amateur 2-meter slot antenna was mounted on one of the spacecraft's overhead windows, instead of in the usual spot on a forward window. This was expected to provide better coverage. But, according to astronaut Ron Parise, WA4SIR, the first to use this antenna (on STS-35 in 1990), the slot antenna is very susceptible to surrounding objects, and the new position was a problem.

The antenna has a built-in SWR indicator and adjustment capacitor, and Richards and Baker soon found that it wasn't resonating where it was supposed to. On the 89th orbit, Ellen Baker modified the antenna according to suggestions from the ground - using aluminum tape to increase the antenna's contact with the body of the shuttle. This helped but coverage was still limited.

The astronauts made SWR readings, reported the best frequencies to the SAREX ground team in Houston (led by Lew McFadden, W5DID), and from then on all the SAREX operations moved to 144.450, simplex.

In addition to the school contacts, Richards and Baker made a number of random contacts. As usual, those are logged on audio tape and no totals are yet available. Richards and Baker passed their license exams at an ARRL/VEC test session in Houston during the last SAREX flight, SIS-45, in April!

Space Rules Changed

In a related matter, the FCC has amended its rules to allow all amateurs to operate from space, regardless of their license class. Formerly, only Amateur Extra class licensees were permitted such operation and waivers had to be obtained for ham-astronauts holding other classes of license.

The FCC also defined a "space station" as "an amateur station located more than 50 kilometers above the Earth's surface that transmits on frequencies



WHICH WAY IS UP? Astronauts Richard Richards, KB5SIW, mission commander, and Ellen Baker, KB5SIX, mission specialist, hold up their Amateur Radio call signs on Columbia's flight deck during the record-setting STS-50 14-day mission. Operators and students at a variety of locations were able to talk to the STS-50 crew members on several occasions. - NASA photo

allocated to the amateur-satellite service." The Commission said it was amending its rules so that "amateur operators would have greater access to space telecommunications technology, and the public would have a more highly-trained pool of operators and electronics experts available in emergencies."

Amending the rules also will relieve the FCC of having to grant waivers to ham-astronauts in the future, the Commission noted in its press release.

- The ARRL Letter, 6/13/92

Hallicrafters Founder William Halligan Dies at 93



The last of a trio who enjoyed the 1979 Chicago Convention of the Quarter Century Wireless Association, William J. Halligan, W9AC (at right), became a Silent Key on July 14, 1992, in Miami, Florida at age 93. He began as a seagoing wireless operator and, in a lifetime of electronics, gained worldwide fame as a manufacturer of Amateur Radio equipment and military wartime production of communication gear. His loyal employees held annual dinners for years after he retired, honoring his Hallicrafters Company with recognition of leadership. Among many affiliations, Bill belonged to the Veterans Wireless Operators Association, Chicago Chapter QCWA, and many industry groups.

M. G. Mathews, W9ZN, (center) which is the origin of Zenith Radio Corporation, Chicago, was the guest speaker at the O'hare-Kennedy Holiday Inn. The committee paid his way from Guadalajara, Mexico, where he had retired, but was no longer active on the air.

On the left is Eric Shalkhauzer, W9CA, of Washington, Illinois, near Peoria, where he developed and manufactured the famous RME-69 communications receiver. His innovation was a radio covering all bands (at that time) which shifted frequency bands with controls on the front panel and without changing plug-in coils. He gave many lectures and demonstrations at amateur club meetings. He hand-built the AM broadcast transmitter at Eureka (IL) College attended by President-to-be Ronald Reagan.

Posthumously, we honor the memory of these radio pioneers. SK

Photo and story by Ero Erickson, KA9DYS
4024 N. Pioneer Street, Chicago, Illinois

Correspondence

...from our readers



Hi, Jim:

Couldn't help but make a few comments on W9MFG's recent article ("Do You Have a CB Accent?") in the July issue of BSSS. Most of his points were well taken, but one bothers me: what,

pray tell, is wrong with using the term "handle" in referring to an operator's name?

For his information and yours, "handle" was in widespread use among Amateur Radio operators long before CB was even a gleam in the FCC's eye. I heard it when I first started listening to the ham bands shortly after WW II, and ever since I became licensed forty-two years ago.

The term that makes me cringe whenever I hear it is "what's your personal?". Compared to "handle", that's really far out!

As long as I'm on the soap box, I'd like to say I approve of the FCC's imposing of stiffer fines for deliberate violations. If they had cracked down that hard on the first batch of irresponsible CBers who thought the rules were for the other fellow, maybe the CB band would still be usable for the purpose it was intended for, instead of the unprintable mess it is today!

For the record, I once held a CB license myself when the band was first opened, long after I became a ham, and before the jerks with their kilowatt "kickers" made it unusable.

Thanks for letting me blow off steam.

73.

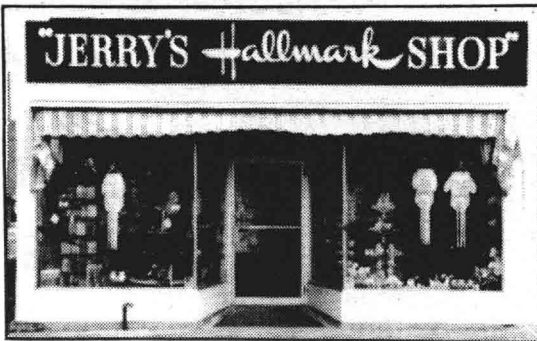
Rolland Walty, W9LEE
Westboro, WI

Jerry's Hallmark Shop • Simply Amish

■ Jerry's Hallmark Shop in Baraboo is where you will find a full selection of Hallmark products. And, Jerry's Hallmark Shop now has LIZZIE-HIGH dolls. Call them at (608) 356-6901.

■ Simply Amish, next to Jerry's Hallmark Shop, stocks some of the most rugged and finest-looking Amish-built furniture you will find anywhere. There is also a great selection of Amish dolls, quilts, and Amish and Mennonite cookbooks. Call Simply Amish toll-free at (800) 292-6474.

Jerry's Hallmark Shop and Simply Amish are at 516 Oak Street and 512 Oak Street in Baraboo, on the east side of Baraboo's historic courthouse square.

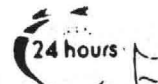


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Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

Abbotsford, WI 54405-0401

TAYLOR COUNTY AREA AMATEUR RADIO CLUB MEETING ANNOUNCEMENT

The next regular meeting of the Taylor County Area Amateur Radio Club will be held on Thursday, August 6th at 7 p.m. in the Emergency Government meeting room/Red Cross office located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Streets, Medford, WI. Talk-in on 147.75/147.15 repeater. **PLEASE NOTE THE CHANGE IN THE MEETING DATE!**

ATTENTION ALL CLUB MEMBERS - IMPORTANT NOTICES!

1. The date of the monthly club meetings has been changed and is now the **FIRST** Thursday of the month, starting with the July, 1992 meeting. See the meeting minutes for further details.

2. The club has some equipment up for sale, on bids, to any current club member. If you are interested in bidding, send or deliver your bid, **IN WRITING**, to N9GHZ. It must arrive **ON OR BEFORE** August 20. The original deadline for bids had been July 25th, but since the original notice did NOT get printed in the July issue of BSSS, the deadline has been extended. The equipment will be sold **ONLY** as a complete set. The following items are available:

- One (1) Sony black and white video camera, model AVC-3200
- One (1) Sony electronic viewfinder, model AVF-3200
- One (1) Sony TV lens, 16mm, 1:1.8, No. 308610
- One (1) Sony TV zoom lens, f=16-64mm, 1:2, No. 181550.

EXCERPTS FROM MINUTES OF JUNE 11, 1992 TAYLOR COUNTY AREA ARC MEETING

Meeting was called to order by President N9GEN. Present were N9GHZ (Abbotsford), KB9BLV and WD9FWP (Dorchester), N9LHY and XYL (Sheldon), N9IDW (Lublin), KE4FE (Rib Lake), W9LEE (Westboro), and N9GEN (Medford).

Minutes of 5/14/92 meeting were read by Secretary N9GHZ. Treasurer's report by Treasurer WD9FWP indicated a balance of \$299.43 with no outstanding bills at this time.

N9GEN and N9IDW assisted with a VE exam session held at Tomahawk on May 30th.

A preliminary date of Saturday, October 17th was set for the next VE exam session to be held in Medford. N9GEN will contact the Tomahawk VE testing team to confirm the date.

A continued problem with renewal notices for club members for *Badger State Smoke Signals* subscriptions was brought up. Club members are being individually billed, at the regular subscription rate, rather than the club being billed annually for all members' subscriptions at the appropriate club rate. N9GHZ will follow up on this.

Motion by KB9BLV, seconded by KE4FE, to move the monthly club meeting date from the second Thursday of each month to the first Thursday of each month. Motion carried. This will help the club secretary meet the monthly deadline for the newsletter for BSSS printing.

The special event station to be held at the Highground Veterans Memorial Park near Neillsville in Clark County on July 4th was discussed. The Eau Claire and Marshfield ham radio clubs will be participating by providing trailers and complete HF stations and antennas, as well as operators. A rough draft sample of the "participation certificate" that will be given to members of the general public who talk from the special event station was passed around. A meeting for ham radio operators involved in the project will be held on

June 13th at The Highground. Set up is planned for the morning of July 4th with operations from 12 noon until 12 midnight, local time. Guest operators, especially veterans, will be welcome, but will need to have their license with them to operate.

KE4FE reported on the local 2-meter packet radio node and VHF/UHF packet radio activity in the area in general.

The Amateur Radio license exam preparation course that had been scheduled to start on May 26th, with classes held in either Owen or Abbotsford, was cancelled since only two people signed up for it.

Motion by N9GHZ, seconded by N9LHY, to offer the camera equipment recently donated to the club by W9FPE, for sale to current club members who might be interested, to the highest bidder, and if none are interested, to offer it for sale to any other interested party by any other available means. Motion carried. There is already at least one club member interested in purchasing the camera.

Meeting adjourned at 8:15 p.m.

RADIO STOLEN FROM LOCAL HAM RADIO OPERATOR

Louis Young, KA9UXN, had an ICOM Model IC-28H 2-meter mobile transceiver stolen from his vehicle parked in the driveway of his home in Colby the night of Tuesday, May 26th. The serial number is not immediately available. If you hear anything unusual on any of the local area repeaters, or someone tries to sell you an IC-28H, or wants you to fix one, be aware of this, and contact KA9UXN at (715) 223-3091.

CONGRATULATIONS TO.....

• Eric Newman, KB9HTX, and Nathan Newman, N9NDT, of Gilman, who made their first HF contacts, on 10 meters, on June 7th. They made contact with some California hams.

• Eric Brehm, KA9WDB, Colby, who received a bachelor of fine arts degree in theatre arts and drama at the spring commencement ceremony on May 17 at UW-Stevens Point.

• Scott Young, N9FZS, Colby, who received a bachelor of science degree in electrical engineering at the spring commencement ceremony on May 23 at the Milwaukee School of Engineering. Scott has accepted a position as an electrical engineer at Electrical Systems and Engineering (ESE), Inc., in Marshfield, where WA9ZCO is also employed. For the time being, Scott is residing in Colby. Scott is the son of Louis, KA9UXN; his brother, Dean, holds the call KA9SMQ.

MISCELLANEOUS INFORMATION

• Condolences to brothers Eric Newman, KB9HTX, and Nathan Newman, N9NDT, of Gilman, and their family, on the loss of their grandfather, Glenn Romig, age 86, of Gilman, who passed away May 21st.

EXCERPTS FROM MINUTES OF JULY 2, 1992 TAYLOR COUNTY AREA ARC MEETING

Meeting was called to order by President N9GEN. Present were N9LHY and XYL (Sheldon), KB9BLV (Dorchester), KE4FE (Rib Lake), W9LEE (Westboro),

and N9GEN and KA9WDX (Medford).

There was no reading of the minutes of the previous meeting or treasurer's report, as both the secretary and treasurer were absent.

October 17th has been confirmed for the next VE exam session in Medford at the Multi-Purpose Building located on the Taylor County Fairgrounds. Registration for exams for all classes of license will be at 8:30 a.m., with testing to start at 9 a.m.

There was a brief discussion of the special event station to be conducted from The Highground Wisconsin Veterans' Memorial Park near Neillsville on July 4th.

KE4FE reported on the Medford 2-meter packet node.

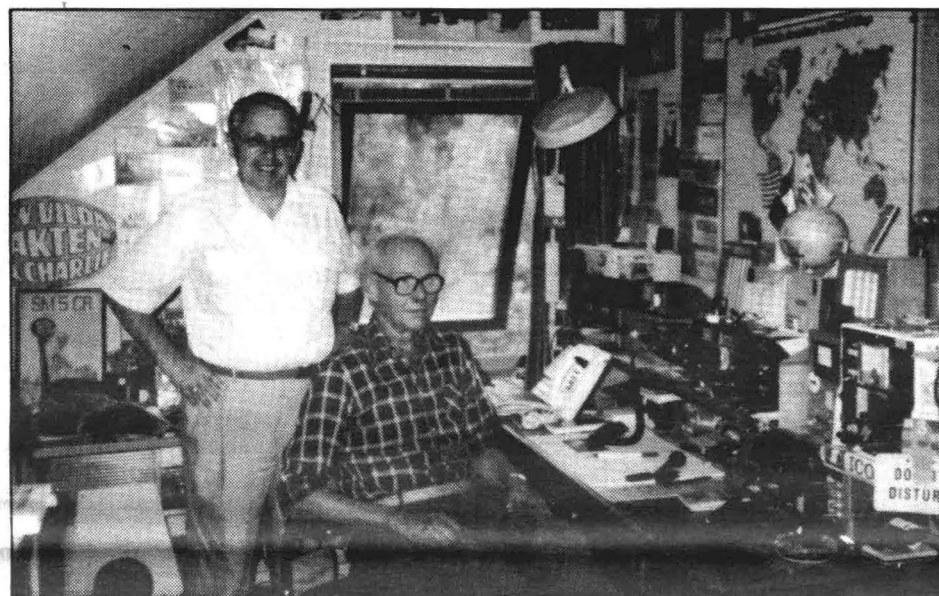
KE4FE reported that he tried out the video camera donated to the club by W9FPE, and it works fine.

No further action was taken on the problem with club subscription billings for Smoke Signals in the absence of both the treasurer and secretary.

Meeting adjourned at 8:15 p.m.

KA9WDX presented a videotape on the history of the development of radio that originally aired on PBS TV stations throughout the state. □

Racine Megacycle Club Secretary Visits Fellow Swede



Arne Moxness, KA9ZPY, of Racine, at left, enjoyed a visit with Carl, SM5CR, in Stockholm, Sweden, this summer. "Charlie" is a regular on the Swedish-speaking nets on 15 and 20 meters. Arne enjoys talking with his countrymen.

- Photo courtesy Arne Moxness/KA9ZPY

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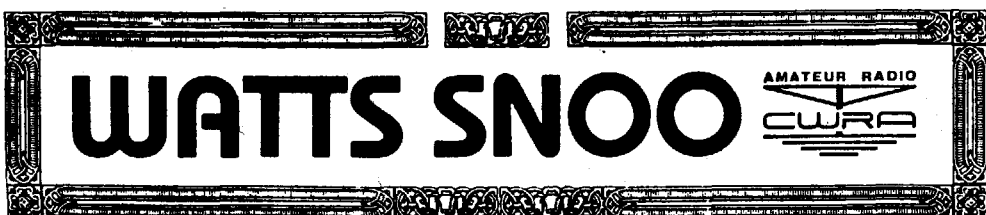
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WB9QFW 2-Meter Repeater 146.07-.87 and Club Station

P. O. Box 847 • Plover, WI 54467

The July meeting was at the Central Wisconsin Airport in Mosinee. It had been requested that anyone planning to attend the meeting should be at the lounge area by 7:15 so that a short meeting could take place before the tour. There were 25 members and guests present, with the roll as follows:

KA9WEQ	Wendy D.-Mangal
KA9TTU	Joe Mangal
N9JQU	Dave Olson
KB9GXV	Mike Urban
N9OVT	Dave Golla
KA9LAQ	Mike Pagel
KF9BG	Ray Dix
KB9DUR	Adriana S.R.Dix
KF9HQ	Russel Fritz
N9NOG	Joann Dix
	Ray Dix III
N9CGV	Joe Omernik
N9JRG	Cindy Omernik
N9BCA	Art Wysocki
K9DB	Paul Nellis
W9BCC	Frank Guth
	?? Omernik

N9KJK	A. Patterson
AD9W	Dean Andrewjeski
	Ivan Andrewjeski
	Aimee Andrewjeski
	Jonathon Patton
	Chris Cimins
	Kathy Cimins
	Sarah Cimins

Since meeting facilities were not available, there was no formal meeting this evening and those present divided into smaller groups of about 7 people each for tours through the new tower facilities at the airport.

This year our annual Fox Hunt will be held on Sunday, Aug. 16, starting at 2:00 p.m. from the parking lot across from the club station. The club station is in the building at the base of the tall smoke stack on the North side of the U.W. campus. Anyone wishing to participate, please meet there for further information and rules of the game. There will be an informal get-together for anybody who would just like to get together to shoot the bull (not just the "hunters") following the hunt at the QTH of Bob Baird, W9NN, near the end of River Rd. just before you get to Galecki Park. Bring your own food and beverages, there will be a grill(s) provided for cooking. A dish to pass is nice, but not required.

In breaking with tradition a bit, there will be a meeting in August on the 12th (the 2nd Wednesday) at the QTH of our President, Art, N9BCA, at 7:30. Please bring a chair to sit on as the meeting will be outside. To get to his house, take HH (McDill Ave.) East from Business 51 to Feltz Ave. (about 1/2-3/4 of a mile), turn left (North) on Feltz, go one block to First St., turn left on First, go three blocks and turn right on April Lane. The QTH is 3356 April Ln., watch for the antennas on your left.

ATTENTION!!!!NOTICE!!!!IMPOR- TANT REMINDER!!!!

On September 30, 1992, ALL memberships will expire; that means that it is dues time again. This year, let's try to get all the dues in before Sept. 30, so that we are not faced with the prospect of collecting dues all year round.

Also, we now subscribe to the *Badger State Smoke Signals* and it is a pain to have to update the list every three months because regular members wait on their dues (I'm sure that the person who does the mailing list in Baraboo isn't exactly thrilled either).

Also, our September meeting is the annual election for officers for the year, so now might be a good time for us to start thinking about running/nominating for offices. There is also a very real possibility that we are going to see it proposed that the Sec./Tres. office be split into two offices as was originally set up in the constitution.

NOW FOR SOME SOAP-BOXIN'

By now everyone knows that Field Day was cancelled this year. I was going to say that it was due to a lack of interest, but in the aftermath, it seems that there was a lot of interest from what I heard. Since the interest was there, what cancelled Field Day? Let's say a lack of commitment by all interested parties. In the three to four months preceding the event, requests were made at meetings and on the ARES net for people to raise their hand and say "I plan to operate on Field Day", "I'll help...", etc., but no hands showed. Until the time Art cancelled the event, the only COMMITMENTS we had for the 30 plus hours involved in Field Day (set up, operations, take down, etc.) was one "I'll get the equipment to the site," and one "I can be there from 11 to 7". Now add a few "I'm thinking about it", "maybe I'll...", "perhaps...", "if I can find some time", and ask yourself - given the time frame involved, the work that had to be done, and the idea of being responsible for a few thousand dollars worth of equipment - what you would have done.

Our club has three big events in a year - Special Olympics, Swapfest, and Field Day. We have a few people that are involved with all three, but they need the support of all of us. A few cannot continue to carry the load of the club's commitments or they are going to burn out. This club is for all of us and we must all pitch in if it is going to continue for all of us.

Amateur Radio is a hobby, but it is one that also carries responsibilities. Perhaps we should get out the rule books and look up Part 97.1 of the F.C.C. Regulations and refresh our memories as to what they are. It is a lot easier to meet our obligations as a united group than as a few individuals.

Field Day '92 is history, but a nagging question remains - was this a freak occurrence or an omen?

73 de KA9ACE

Wisconsin Nets Association

MEETING MINUTES FROM JUNE 14, 1992 WNA MEETING AT STEVENS POINT

Attendance was as follows:

Jim Caldwell, WB9YPY	Lake Thompson
Roy Pedersen, K9FHI	Juneau
Jim Merrill, W9AYK	Oconomowoc
Rob Hummel, WA9ZTY	Marshall
Roberta Hummel, KA9OSA	Marshall
Linda Hummel, NOCAL	Marshall
Doc Roberts, K9BX	Rothschild
Gene Santoski, K9UTQ	Wis. Rapids
Ray Sunderland, K9ANV	Tomahawk
Erwin Froehlich, W9RZW	Pine River
Paul Amend, KA9OBP	Portage
Larry Guthu, WB9ICH	New London
John Guthu, ICHJR.	New London
Mary Berger, NS9Q	Rhineland
Lee Andreas, N9BDL	Lake Tomahawk
Gary Pedersen, KA9BAE	Pewaukee
Dwight Simpson, AG9G	Phillips
Sherm Carr, W9NGT	Hartford
Wayne Shanke, KE9VU	New Holstein

Meeting was called to order(?) at 11 a.m. by K9KSA.

Don apologized for not passing on the minutes, so he read them and submitted them for our approval. They were approved.

Don read the treasurer's report and the picnic report. We lost \$26.43 on last year's picnic.

The treasurer reports that we have a balance of \$158.12. The full report was in the meeting notice. Keith was not able to be present at the meeting.

The treasurer's report was approved. We decided not to plan the WNA Picnic before getting the reports from the net managers.

We will be having the picnic on September 19, 1992. Wayne, KE9VU, and Larry, WB9ICH, will be seeking a location. Once a location is secured, I will be sure to put it in the picnic/meeting notice, along with a map. Any suggestions would be welcome.

Door prizes will be handled by K9-KSA. We decided to get a few big(?) prizes, instead of a lot of little ones. Anyone wishing to donate is welcome!

I will write the ARRL, Kenwood, Icom, and maybe several other manufacturers to see if they would like to donate a prize.

KA9OSA, Roberta, KA9BAC, Beryl, and Linda Hummel will handle the prizes for the bingo session.

A donation for the picnic fund is requested: \$2.00 single; \$3.00 couple; \$5.00 family.

We are only trying to cover the expenses of the picnic and supplies throughout the year, i.e., certificates, stationery, postage, etc.

It is unclear who will be procuring the soda and beer, so if someone would like to do this please let Don or I know.

The picnic is a bring your own food and service. Several grills will be provided with charcoal if you need to cook. Soda and beer will be provided.

NET MANAGERS REPORTS

Badger Weather Net/W9AYK, 3.984 MHz, 6 a.m.: Handling between 65-70 pieces of WX traffic a day. All other traffic is welcome. We need stations around the Green Bay area, also Duluth-Superior area. All stations are welcome to check in. You don't need any fancy weather equipment. We are happy with a present temperature and general conditions, sky, rain, snow, etc.

THE ANNUAL BADGER WEATHER NET PICNIC

When: August 30, 1992

Where: Shawano County Park on the

north side of lake

Bring: Your own table service, drink, meat to cook, a dish to pass, bring enough.

Cost: A \$5.00 donation (per family) required. This covers cost of pavilion, charcoal, ice.

Radio: Talk in on Shawano 145.35 repeater.

Hosts: Badger Weather Net

Note: Camping available at park. Contact park direct for reservations; phone (715) 524-4986.

Hope to see you all there!!

Badger Emergency Net/KE9VU, 3.985 MHz, 12 noon: Wayne, KE9VU, is the new net manager for the Badger Emergency Net, taking over from John, WB9-ESM, who has done a fine job. Thanks, John!

Wayne reports there are several new stations starting to show up. The net has approximately 20 checkins a day. This is a great net when conditions are good. If you are fortunate enough to come home for lunch, please check in! Wayne would like someone to bring ARRL bulletins to the net. Anyone wish to be an Official Bulletin Station?

Wisconsin Sideband Net/K9UTQ, 3.985 MHz, 5:30 p.m.: Gene welcomed back K9ANV as regular Monday night net control station! Nice to hear you on, Ray!

Gene reports traffic is up 15-19 pieces. Nice! Checkins 20-25 stations.

Gene reports that I have been pushing the nets during my classes and VEC sessions. I will make a nice sheet to hand out to the folks. (Roy, K9FHI, beat me to it.) I now have a nice tear-off pad to hand single sheets out from now. Thanks, Roy!

Any of you VECs out there would like one of these nice sheets to photocopy and hand out, please let me know. I will mail one out pronto!

Wisconsin Slow Speed Net/N9BDL, 3.645 MHz, 6:30 p.m.: Lee reports 5-6 checkins per evening, 1-2 pieces of traffic per night.

Lee discussed the rewards of being a member of the ARRL and being a net manager.

WIN/Early/WB9ICH, 3.662 MHz, 7 p.m.: Larry reports about 9 checkins per session, could use WBSN reps, 9RN rep. Other than that, doing real well.

WIN/Late/W9NGP, 3.662 MHz, 10 p.m.: Ed was not present. K9KSA reported he could use rep to Badger Weather Net.

Northwoods Traffic Net/NS9Q: Mary reports everything going great, about 13 checkins a night. There are newcomers coming on board and expressing interest as net control stations. Mary says it is a good training net.

Assistant Section Manager/K9FHI: Roy echoed the expressions of the group that we would all like to see the nets listed in the section news in *QST*.

Assistant Section Emergency Coordinator/W9NGT: Reported everything going well. Nothing changing too much; everyone is doing a nice job. Sullivan weather should have packet before too long. Sherm will keep us advised.

The meeting was adjourned at 12:30 p.m. We all enjoyed the Stevens Point Hamfest and the WNA meeting, and a special thanks to all the net managers who submitted articles for the WNA column in *BSSS*. 73.

Robert (Rob) Hummel, WA9ZTY
WNA Secretary

Individuals may become a WNA Booster by sending \$11.50 to the WNA Treasurer, KY9P. This includes a one-year subscription to *BSSS*. Renewals are \$9.00. Membership without *BSSS* is \$4.00! □

League Supports Special Call Sign Program

Continued from page 6

"We are supportive of a special call sign program," the two congressmen said, "provided that it could generate sufficient fees to fully fund additional Commission staff and equipment requirements."

Shortly thereafter, ARRL President George Wilson III, W4OYI, wrote to FCC Chairman Alfred Sikes, reiterating the League's position.

"While the ARRL opposes the imposition of amateur license fees that would

discourage individuals from obtaining an amateur license or from upgrading their skills, we do not oppose the funding of a call sign assignment program in the manner described by Messrs. Markey and Hall," Wilson wrote.

"We would be pleased to work with FCC staff in developing a fair, workable system for assigning specific, unassigned Amateur Radio call signs, the letter concluded.

- The ARRL Letter, 7/13/92

A Satisfying Hobby

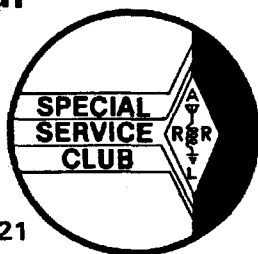




Riverland Amateur Radio Club

Dick Low, K0JYB,
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES JULY 7, 1992

The July meeting of the Riverland Amateur Radio Club was called to order by President Walt, AA9AW, at 7:04 p.m.

The following people introduced themselves:

Margy Lentz	N9PZA
Dan Abtz	N9PZC
Bruce Ladron	N9PZE
Scott Beebe	N9PZG
Kieth Hollatz	KB0KII

The reading of the Minutes of the June meeting was dispensed with pursuant to a motion by Feroze, WU9N.

The treasurer's report was given by Duane, W9HWQ, and accepted as read.

COMMITTEE REPORTS

DF'ing chairman Bruce, K9CUT, was absent and Kent, W9LZQ, announced that another meeting of the SIG has been planned.

Kent also reported that the "Pirate" is still on the repeater. Kent corresponded with Jackie McGlothlin, N9CAP, the Official Observer Coordinator For the State Of Wisconsin, regarding the problem of unidentified transmissions on our local repeater. The official established policy of the ARRL in this case is that the VHF interference is solely the responsibility of the Local Interference Committee. Once the individual is located, a friendly visit may encourage him/her to perhaps get a license and unidentified transmissions are dealt with harshly by the FCC and stiff monetary fines with possible imprisonment are imposed on the guilty individual.

It was suggested that President Walt, AA9AW, appoint a Local Interference Committee.

The League is also looking for Official Observers.

REPEATER COMMITTEE

Van, WA9FIO, was not here, but the Audio Delay has been installed and all members approved of its operation.

TRAILER COMMITTEE

Chairman Greg, KA9FOZ, reported that the KE9FZE plaque has been installed, the trailer roof needs repair and the floor in the rear storage compartment needs replacing. We also need a new roof vent light repairs and the peeling letters need attention. Kent made a motion that we authorize the trailer committee to make the necessary repairs and provide the financing. Motion carried.

FIELD DAY

Chairman Bill, KE9XQ, informed us of a very successful Field Day. Scott, KA9FOX, and Mike, N0BSH, made 1500 contacts which would put us in the top 5% category. Mike made 600 contacts on 40 Meters CW. Karl, KB9EQI, operated the Novice station.

PROGRAM CHAIRMAN Feroz, WU9N, gave us a rundown for the next few months.

At the August meeting we will be winding toroids to prevent telephone interference. The joint RARC-Winona picnic will be held at Perot State Park on August 15th BYOB and food. Families and friends are invited. A park sticker or a \$2.00 fee will admit you to the park.

September will be a show-and-tell meeting.

October brings the SET Operation event, proclamation for HAM Radio Day, and Ham Radio Weekend.

AWARDS PROGRAM

Bill, KE9XQ, no report.

AMBASSADOR GROUP

Chairman Kent, W9LZQ, has made the following appointments:

Clarence, N9NXW	Winona/Eau Claire
Feroz, WU9N	Winona
Bill, KE9XQ	MVARA
Kent, W9LZQ	Tomah

Bill visited MVARA and they were open to suggestions. Their repeater is open to the public. Positive vibes were received, and Bill informed them that we want to pool our resources.

NEW BUSINESS

Bob, N9LZK, started a discussion regarding our portable generator that failed during the Field Day operation. The generator has a short duty cycle and is not capable of handling a heavy load for a long time period. Various alternatives were mentioned such as repairing the old generator, purchasing a used machine and using the pair alternately for short durations. A new long duty cycle machine was mentioned also.

Feroz, WU9N, made a motion that we appoint a committee to investigate the possibilities and make a report to the club. Motion carried.

Kent, W9LZQ, announced that The Sugar Loaf Classic Bike Ride will be held on August 8, 1992. They are looking for volunteers for communications. See Kent if you are interested in participating.

Jule, KA9UJL, gave a very nice presentation regarding wiring the shack. He emphasized the difference between a neutral and a ground wire, Fuses vs. Circuit breakers, and water pipes vs. driven ground rods. Thank you, Jule.

The meeting was adjourned at 8:05 p.m.

The main program was a mini Swap-Fest.

Submitted by Dick, K0JYB

MEETING ATTENDANCE

Dick Low	K0JYB
Walt Altus	AA9AW
Joe Mezera	WA9SOQ
John Jorenby	KA9ETH
Greg A. Miller	KA9FOZ
Rudy Williams	N9LGV
Jim Christenson	
Brian McCarty	N9IWP
Clarence Crum	N9NXW
Keith Hollatz	KB0KII
Duane Fruechte	W9HWQ
Rick Williams	KV9U
George Kroner	KE9PL
Charlie Burch	KA9UUK
Feroz Ghouse	WU9N
Mike Warnock	WN9P
Bob Wilson	N9LZK
Jim Brooker	N9DBK
Phil Uehling	W9UP
Arby Boomer	WF9T
Jim Darnell	
Brent Atchison	N9PZD
Mike Tessmer	N0BSH
Art Osborn	W0JDC
Kent Helman	W9LZQ
Hugh Barker	KA0EJZ
Jack Yoshizumi	W9KTD
Bob Stark Sr.	N0PDD
Scott Neader	KA9FOX
Dean Summers	KQ0C
Scott Beebe	N9PZG
Dan Abts	N9PZC
Margy Lentz	N9PZA
Bruce Ladron	N9PZE
Walter Schlifer	N9NRF

Sheboygan County Amateur Radio Club

Steve Meifert, KB9HKG, Secretary

1525 New Jersey Avenue • Sheboygan, WI 53081

The July 14, 1992 meeting was called to order at 7 p.m. by President Chad Christianson, N9HMR.

The reading of the minutes from last month was dispensed with. Luiz, KA9HUF, gave an informal report on the club Treasury and handed out the current member list.

Tom Hetzel, AA9BJ, took the floor to introduce four new Hams who attended his class and are anxiously awaiting their tickets. They are: Eric Hinz, Bob Stone-man, Charlie Murphy, and maybe the youngest in the county at 11 years old, Josh Sohn. Congratulations to you all!

Operators were solicited for the 2 Meter Net Control and all dates were filled.

OLD BUSINESS

Special thanks goes to: Rob, KB9AFT; Adrian, WB9CXV; Ron, N9ITM; David KB9GHE; Larry, WB9FXQ; Luiz, KA9HUF; Penny, KB9BJM; Lyle, WE9R; Chad, N9HMR; and Steve, KB9HKG, for their assistance along the parade route on July 4th. Thanks also to Jack, WB9GTX, and Don, KD9PE, for the use of their radios for the event.

Luiz, KA9HUF, says, "Dues are Due!" If you have not renewed, please take the time and do so now.

The Fox Hunt is scheduled for September 26th at 1 p.m. This year's foxes are gearing up to give us a real challenge and it should prove to be a real fun event. More on this at the August meeting.

The W9MYG Morse Code practice

cassettes, from Novice to Extra Class, are available at the club station.

NEW BUSINESS

Volunteers were solicited for the Bicycle Race on July 23rd at Heritage Square, and for the Holland Fest Parade in Cedar Grove set for July 25th.

Equipment for sale: A list of station equipment from W9MYG (SK) has been given to Chad, N9HMR, by Marvin's family. If interested, please see Chad for a copy of the list and instructions.

Candy wrappers from M&M and MARS candy can bring us cash. So, if you have a sweet tooth, save these wrappers and bring them to the next meeting.

Weekly classes for the Technician license will begin Wednesday July 15 at 6:30 p.m. and run to August 12th. If you have any questions see Tom, AA9BJ.

Due to technical difficulty, the video on Nikola Tesla was not shown, and was tentatively rescheduled for next month.

*Respectfully Submitted:
Steve Meifert, KB9HKG, Secretary*

NOTICE

Our new ARRL/VEC team will administer Novice and Technician exams only on August 12th at 6:30 p.m. at the Red Cross Building, 2032 Erie Ave., Sheboygan. No Walk-ins. For exam information contact Tom Hetzel, AA9BJ, 1658 S. 26th, Sheboygan, WI 53081, Ph. 458-2307.

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

PICNIC AND CLUB MEETING JULY 13, 1992

The picnic started at 6:00 p.m. at Red Cross Building since the weather did not allow the use of the outdoor site offered by Dick, W5ONL. About 25 persons took part and most enjoyed themselves and stayed for several hours.

The business meeting was started about 7:45 p.m. by President Brian, WD9FRH. Dave, WB9ZIO, gave the treasurer's report. The new balance is \$177.42.

President Brian talked about the Field Day, which was very successful. A few minor problems were easily corrected. Jim, KB9CCY, who was on vacation, was thanked by the club for a nice job as Chairman. Gary, N9MJH, who was also absent, was also thanked by the club.

President Brian talked about a possible need to purchase a radio to replace the old Swan.

Bob, W0WLN, expressed thanks to Gene, WB9ZKY, and XYL Bonnie, WB9, who both brought the hot food. Thank You.

Dennis, WB9SVM, made a report on the points the club got. There were more points from CW than voice and larger total than last year.

Bruce, K9RRS, mentioned the next packet users group, which will take place Sep. 8.

The next Fox Hunt will take place July 24. The June Fox Hunt winner was Bob,

HERE AND THERE - from page 5

available, especially in sparsely populated areas of the country. The League's response was that the explosion in new Technician Class licensees in April 1991 would indicate that VE examinations are readily available in most areas. The FCC

Ham Calendar

*Courtesy of the
Racine Megacycle Club*

Aug 10	Megacycle Club Meeting
Aug 15	Hamfest at Sugar Camp
Aug 23	Hamfest at Crystal Lake
Aug 23	Ham Picnic at Racine

Sep 5	Testing at Racine
Sep 8	Packet Users' Meeting
Sep 13	Hamfest at Joliet
Sep 14	Megacycle Club Meeting
Sep 19/	
Sep 20	Hamfest at Peoria
Sep 26/	
Sep 27	Hamfest at Grayslake

WS6E.

The short meeting was adjourned at 8:05 p.m.

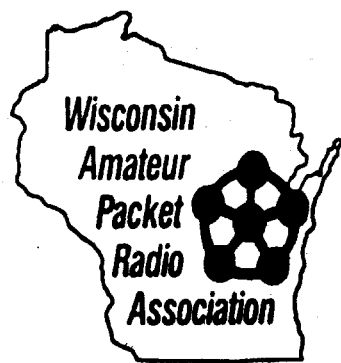
At the next Megacycle meeting Aug. 10, there will be shown a video about antennas. There will also be a picnic Aug. 23 on 6 Mile Road. Please contact any of the officers for more details.

The Megacycle meeting Sep. 14 will be a visit to the Racine County Safety Building. Coordinator is Dave, WB9USI.

*Respectfully submitted:
Arne, KA9ZPY, club secretary*

NPRM did not directly address this question, although alluded to it in noting that the Novice is no longer the preponderant first license.

The comment deadline is October 9, 1992. Reply comment deadline is November 9, 1992.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

William Schroeder, W9ZBD
4247 Forest Point Drive • Rhinelander, WI 54501

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

WB9TYT Adding Local Nodes in Milwaukee

I have placed a new Node on 145.030 that is running at 2400 Baud. It is connected to WB9TYT-2 (#SAND) and is located at my house. The call and alias is WB9TYT-3 (WITYT). WB9TYT-2 is a 4800 Baud node on 446.100 Mhz. I have some plans to improve the networking in this area and will try to keep all informed of the progress. I am interested in your thoughts and suggestions for changes and upgrades.

Dan - WB9TYT @ KC9BK.WI.USA.NOAM

Node Progression in East-central Wisconsin

Thanks largely to the efforts of Terry - KB9CAQ in acquiring a source of dirt cheap commercial 440 rigs, a new series of nodes will be placed online later this summer in order to link several Fox River Valley area BBSs directly with one another and state "backbone" networks. The BBSs affected are KB9CAQ, N9BKJ, KA9JAC, and WB9ZRE. The improvement will allow faster and more efficient forwarding throughput while reducing congestion to area LANs.

STS-47 SAREX Packet Information

In mid-September (scheduled for September 11 @ 14:23:00 UTC) Shuttle STS-47 will carry a SAREX payload containing a robot packet station into a 300 kilometer altitude orbit providing radio coverage between 70 degrees North and 70 degrees South latitude. Packet operations are scheduled to start 3 hours into the mission and terminate 6 days and 8 hours after launch.

Amateur Radio operators will be Dr. Jay Apt - N5QWL (night shift) and Dr. Mamoru Mohri - 7L2UJY (day shift).

Packet operations by ground stations will be on 145.550 (downlink from shuttle) and 144.70 (uplink from ground stations to shuttle). The packet callsign will W5RRR-1.

If you can, decrease your radio's deviation to 3 KHz (most are initially set at 5 KHz) and compensate for the Doppler shift. If you cannot, wait until a minute or 90 seconds after the shuttle comes over your horizon to transmit - that will put you within the shuttle's IF. If a station transmits without following these suggestions, the shuttle will only hear what sounds like a noisy carrier.

To receive a contact QSL send:

US stations, include a self-addressed stamped envelope (SASE).

Non-US stations include a self addressed envelope with \$0.50 of US postage affixed or appropriate IRCs.

Include the Callsign worked, Date, UTC, Mode, Frequency and the QSO number issued by the robot.

SWL QSL's: Include the Callsign heard, Date, UTC, Mode, and Frequency.

Mail to:

N5QWL
806 Shorewood Drive
Seabrook, Texas 77586 USA

Additional Info:

W5RRR may be found on or near: 7.215, 14.280, 21.360, and 28.400. WA3NAN retransmits NASA Select Audio and SAREX bulletins simultaneously on or near 3.860, 7.185, 14.295, 21.395, and 28.650.

The NASA Info BBS at Johnson Space Center,

Houston, will also carry Keplerian elements and SAREX bulletins. (713) 483-2500, 1200 baud, 8-N-1. At the ENTER NUMBER: prompt, type: 62511 <return> and log onto the BBS. The Keps and bulletins will be in the welcome message. Disconnect rapidly to facilitate access by others. The orbiter attitude is planned to be tail down, payload bay south. The SAREX antenna will be in the right forward window, so most contacts should have a good antenna pattern from AOS to TCA (time of closest approach).

Lan-Link 2.0 Available.....

Lan-Link version 2.0, the shareware packet radio program from Joe Kaiser - G3ZCZ is now available.

Release 2.0 contains one very interesting new feature - a finite state machine that can be programmed to offer any number of interesting client/server functions. It is claimed that using "Elmer" one can implement an online expert system. This expert system can parse incoming text, process this via an inference engine, and selectively send/display information from a knowledge data base.

Now that is pretty slick. Programmed properly, Elmer would be able to answer simple English language queries and distribute knowledge (in the form of sending text files) from its database.

I've played a bit with professional expert systems. Elmer is very primitive, but that will be its success. It is VERY easy to program and a lot of fun. The Lan-Link doc includes some simple programming examples.

A club, or anyone on packet, could set up such a system to answer English language queries. This could revolve around distributing information about club activities, distributing info on radio mods, reviews, schedules, etc, etc.

If you are on the Internet ... LanLink (and Elmer) are available from Brown University:

imbrium.geo.brown.edu (128.148.116.18)
in /pub/hamradio/software...

Or, from the author for evaluation for \$10 (LanLink + Elmer). Shareware registration is a reasonable \$45 .. if you decide to keep it.

Joe Kaiser G3ZCZ PO Box 3419 Silver Springs, MD 20918

Check it out!

Gary - KE9ZM

MIR Operating Challenge

When MIR goes by, everyone seems to be trying to connect to the mailbox and causing QRM to anyone who is connected to it. If you want a challenge, leave the mailbox alone, and digipeat a 'OQ' via MIR. Working a digipeated QSO is more difficult, because packets have to get through the QRM both ways. Conversely, a QSL will be much easier to get as well. OK, who is going to be the first WAS packet via MIR?

Joe - G3ZCZ @ WA3ZNW

Note: MIR's packet operating frequency is 145.550

Eliminate Strange Noises at Night

If you are constantly pestered by your computer beeping at you when receiving, it may be that the beep is triggered by the presence of a Control-G in the incoming data. To eliminate

the Control-G beep, set your MFILTER parameter to \$07. The TNC will now ignore the Control-G.

Quick Alinco 1200T mod for 9600.....

The following procedure will allow you to modify the microphone connection of the Alinco 1200T for communication rates with modems and TNCs at 9600 baud. This modification comes directly from Alinco, however, the factory warns that this modification will void any warranty. This modification will only allow operation at 9600 Baud. Voice and lower baud rates cannot be used with this modification installed.

TRANSMITTER:

Remove R-31

Remove C-40 - Reinstall one leg of C-40 to Pin 7 on the VCO board. Connect a jumper from the free leg of C-40 to the Hot end of C-35.

The microphone input is now directly connected to the VCO.

RECEIVER:

Disconnect the PINK wire that runs between the microphone and the PC board from the PC board and reconnect it to Pin 2 of the IF board connector. (This bypasses the low pass filtering on the discriminator).

This completes the modification. The radio is ready for 9600 baud operation.

Dino - KC6RIX @ WF6O.#SOCA.CA.USA.NA

RiverLAN 9600 baud backbone RUNS

Effective 7/26 the new 9600 baud BACKBONE link at Nodine (La Crosse) was up and running. The W9LZQ BBS links to the forwarding network using the 9600 baud system, linking on 220 Mhz. Soon the Rochester, MN end of the link will be operational. We are waiting to put up the system on that end to link the Wisconsin forwarding system to the MNWANA system. MNWANA will be the BACKBONE linking the entire state from the northern most areas to the southern border in the very near future. The Rochester link should be up and running within a couple of weeks.

Next on the agenda is to link from La Crosse to Lodi using a 9600 baud BACKBONE. WAPR has pledged support for this portion of the link and it should significantly improve forwarding from the southeast corner of Wisconsin to Minnesota, including the Twin Cities. The link to the Twin Cities is currently operational from Rochester and as soon as one additional node is installed the Wisconsin system will be linked. In addition, it should take the forwarding burden off of the 145.01 link in central Wisconsin which WILL be a relief to all of us. 73 Kent W9LZQ @ W9LZQ

WAPR MEMBERSHIP RENEWAL TIME

WAPR memberships all expire at the same time on June 31, 1992. (There are a few exceptions for those with multiple year memberships.) Most of the memberships include Badger State Smoke Signals with the membership. Check the 4 digit number on your mailing label. If you are a WAPR member and the label reads 9207, your membership has expired and this is the last issue of BSSS that you will receive. To renew your WAPR membership and continue to receive BSSS send your dues of \$15.00 to the WAPR Treasurer, Bill Schroeder, W9ZBD, 4247 Forrest Point Drive, Rhinelander, WI 54501. If you wish, you can use the Membership Application blank in last month's BSSS.

Mancorad Radio Club

Lou Maylander, KA9ZQF, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

GENERAL MEETING JUNE 10, 1992

President: John Glaeser, (WB9ESM), **Vice-President:** Chuck Smith, (N9KGL), **Treasurer:** George Cox, (N9BCX), **Secretary:** Lou Maylander, (KA9ZQF); **Board Members:** Joel "Whitey" Hofslund, (WW9P), Ron Schaden, (WS9X), Bob Kubichek, (N9LVU).

OLD BUSINESS

1. **Treasurer's Report:** Accepted as read. Motion made and carried to transfer profits from the 1992 Hamfest to the general account.

2. **Secretary's Report:** Minutes from the last general meeting distributed. Al, (KA9YGO), suggests that dates, times, and places of events such as Field Day be spelled out in the minutes. Motion is made and carried to include a listing of Officers and Board Members in minutes. Discussion centers around the suggestion that no names or call signs be mentioned in minutes submitted to "SMOKE SIGNALS." Motion dies for lack of a second.

3. **Emergency Vehicle Licensing:** The Emergency Vehicle has been licensed via the Officer's and the Board's use of a donation given by the Lakeshore Disaster Support Group, a donation from Bob, (N9LVU), and the Board's \$25 discretionary funds. Discussion focuses on claims that the Board and Officers failed to consult with all concerned and that individual's work done prior to the decision was not considered. A motion is made and carried to reimburse individuals for the cost of long distance calls made in regard to licensing the vehicle.

4. **Fly-In:** Vice-President Chuck, (N9KGL), reports that the Manitowoc Airport Day will be Sunday, June 14th, from 7 a.m. till the end of the event, around 5 p.m. Presumably we will be needed to relay information from one end of the field to the other, and to act as crowd control. The Emergency Vehicle will also be used arriving the night before. Reportedly we will be covered under the EAA chapter's insurance. President John, (WB9ESM), makes the motion that this be declared an official club function, and the motion is seconded and carried. Already seven club members have signed up to assist.

5. **Field Day:** The Field Day site at Silver Creek has been secured for June 27-28th, but apparently no one has sent in for the packet from ARRL! Bob is appointed Field Day Chairman. Discussion focuses on recent articles in QST regarding duties of a Control Operator. President John, (WB9ESM), discusses what Field Day is,

and some of the events that need to take place prior to and during the event.

6. **Car Ferry Special Event:** Congratulations and thanks are given to Ken, (K9HAG), and his wife, Mary, (KB9GOY), for operating from car ferry "Badger" on its maiden voyage. Conditions were poor, (very cold), with some contacts from England and South America. President John, (WB9ESM), will be consulting with the Mayor's Secretary regarding QSL cards. Speculation that this could be an annual event related to ship's museum. Thanks to all who participated!

7. **Purchase of Hard Line:** Board Member Bob, (N9LVU), reports that he knows of a special deal on hard line. (This suggestion had been brought previously and was tabled.) Suggestion is that this be brought up again at the next General Club meeting to allow for more consideration by more club members. Motion seconded and carried to table till next General meeting.

NEW BUSINESS

1. **Parking of the Emergency Vehicle:** Discussion focuses on question of where to park the Emergency Vehicle now that President John, (WB9ESM), has moved into an apartment. Suggestions range from the National Guard armory to the city shops. The main problem seems to be accessibility, 24 hours a day. Treasurer George, (N9BCX), suggests that the City Shops be tried first and that a letter be written by the author in conjunction with House Chairman, and Board Member Bob, (N9LVU), to the appropriate contacts.

2. **Hospitalized Board Member:** Joel "Whitey" Hofslund, (WW9P), is in Intensive Care Unit at Theda Clark Hospital, Neenah, due to an abdominal aneurysm. The Club has already sent flowers and hopes for his recovery.

3. **Submarine Special Event:** Vice-President Chuck, (N9KGL), reports that W9DK will again operate from the USS Cobia on August 22-23. Sign-up sheet passed around.

4. **Resignation Letter:** John, (NZ9Z), letter of resignation as Repeater Trustee read. Al, (KA9YGO), asks about qualifications, and none are stated in the By-laws. Chuck, (W9BZU), suggests that the former Repeater Trustee be contacted to see if interested. Al, (KA9YGO), suggests that the Club set up qualifications for the position. President John, (WB9ESM), suggests that the position be filled by an Extra class licensee. Motion is made, seconded, and carried.

5. **Illegal Application Procedure:** The Officers and Board unwittingly accepted membership fees from an applicant without

following proper procedure via two readings before the general membership. The applicant will be contacted, and the proper procedure will be initiated or the membership fee will be returned, whichever is the applicant's choice.

GENERAL MEETING JULY 8, 1992

President: John Glaeser, (WB9ESM), **Vice-President:** Chuck Smith, (N9KGL), **Treasurer:** George Cox, (N9BCX), **Secretary:** Lou Maylander, (KA9ZQF); **Board Members:** Joel "Whitey" Hofslund, (WW9P), Ron Schaden, (WS9X), Bob Kubichek, (N9LVU).

OLD BUSINESS

1. **Treasurer's Report:** Accepted as read.

2. **Secretary's Report:** Author apologizes for missing the deadline for the "SMOKE SIGNALS" publication. Last month's minutes will be published in the next edition. Author also sent out a separate mailing providing members with a copy of last month's meeting in hopes that members come prepared to voice concerns on issues needing action. Minutes accepted as read.

3. **Emergency Vehicles/Spare Parts:** The club has gotten an offer of \$650 for the three non-working Emergency Vehicles, used as spare parts. Included in the offer is the option to strip the vehicles of the parts we want. "Red," (N9GHE), makes the motion that the sale be completed. Carl, (KA9ZTF), suggests that we get a contract in regard to the parts returned, and that the House Committee makes a list of the appropriate items to be saved. Vice-President Chuck, (N9KGL), asks where the items will be stored. Board Member Ron, (WS9X), will consult with relatives regarding possible storage. Motion to accept the offer of \$650 on the three non-working Emergency Vehicles, with the option of saving items needed by the Club, is seconded by John, (NZ9Z). Motion is passed.

4. **Repeater Trustee:** Board Member Ron, (WS9X), questions if the distance from repeater site would be a factor in the choice of trustee. After discussion on particulars by former trustee John, (NZ9Z), Ron, (WS9X), accepts the position with unanimous vote.

5. **Field Day:** Congratulations and appreciation is expressed to those who organized and participated in Field Day. During the movement of the Emergency Vehicle to the Field Day site, an accident occurred on the 8th Street Bridge. Apparently the bridge tender closed the guardrail down prior to the Emergency Vehicle's passing. While there is no damage to the truck, the guardrail is no longer in existence. Statements were given, and reports were filed with the police and our insurance carrier, thanks to Treasurer George, (N9BCX).

6. **Fly-In:** Reportedly, Chapter 383 of the EAA was pleased with our partici-

pation in the event, especially with our providing communications linkages to military aircraft and the public address system. President John, (WB9ESM), had attended the EAA Chapter's 383 critique, held three days post the event, and it appears that they will be contacting us again next year for our services. Congratulations and appreciation is expressed for those who organized and participated in the event.

7. **Purchase of Hard Line:** The motion to purchase hard line was brought up in last month's meeting, and tabled for discussion at this month's meeting. Board Member Ron, (WS9X), asks what and where is this hard line coming from and Board Member Bob, (N9LVU), explains. Vice-President Chuck, (N9KGL), asks about assurances that the merchandise isn't stolen. Clancy, (KB9ECW), questions the need for the purchase. Both President John, (WB9ESM), and Board Member Bob, (N9LVU), explain. "Red," (N9GHE), asks why not spend the money to replace the repeater transmitter. Carl, (KA9ZTF), agrees, reminding the Club that we already have duplexers in storage. Motion to purchase the above-mentioned hard line is defeated.

8. **Parking of the Emergency Vehicle:** Both the City and County have not found any place. Initially the airport had said that it could be placed there, but this was rescinded. Currently the vehicle is parked on a lot near President John's, (WB9ESM), home. Vice-President Chuck, (N9KGL), requests that the equipment be taken out of the truck and stored in the Clubroom. House Committee Chairman and Board Member Bob, (N9LVU), will arrange.

9. **Submarine Event:** Vice-President Chuck, (N9KGL), reports that W9DK will operate from the USS Cobia on Aug. 22-23 for a Special Event. Board Member Ron, (WS9X), is in the process of revising a certificate to accompany the QSL cards. Vice-President Chuck, (N9KGL), requests that only operators occupy space in the vehicle during the event.

10. **Club Picnic:** The Club Picnic will be held on Aug. 12th at the Silver Creek Fieldhouse at 6 p.m., with a Club meeting to follow. The event will be a BYO everything.

NEW BUSINESS

1. **Possibility of Donation of a Generator:** A local business has expressed interest in donating a generator. A letter will be written with accompanying photos of the Emergency Vehicle expressing our needs and our community involvements.

2. **Library Challenge:** Steve, (KB9GPN), wants to know if the Club would be interested in providing a series of ARRL books to local High School libraries. Discussion centers around what, and how many books to provide, to which high schools. Steve, (KB9GPN), will report next month at this meeting.

Submitted for approval: Lou Maylander, (KA9ZQF), Mancorad Secretary

Eau Claire Amateur Radio Club

Don Franzmann, W9NFJ, Secretary

2728 Marilyn Drive • Eau Claire, WI 54701

MEETING MINUTES JULY 14, 1992

The meeting was called to order by President Bill Jablonske, W9NNS, at 7:32 p.m. A motion was approved to dispense with the Secretary's and Treasurer's reports in order that more time could be devoted to planning the forthcoming swap-fest. Introduction of members and guests followed.

Jon, N9KBB, presented a report of the Club's activities at the Highground celebration held near Neillsville on July 4th.

A formal request for assistance in coordinating communications with the emergency committee of Eau Claire was delegated to Jon Case, KE9KW, for review.

Don, W9NFJ, distributed an equipment list provided by Greg Hogden of Ettrick.

He is selling all of his ham items, some 35 in all. His call is W9FIO.

President Bill distributed new information regarding the operation of his packet station.

Joe, KB9R, informed the club that clipping problems in the new controller have been solved and that the 91 repeater was again operating properly.

Kenny, KE9CS, presented a report of the club's Field Day activities. He indicated that 405 stations were logged in 45 states.

Don, WD9IJY, stated that it is possible for a local CAP repeater to cause interference with our 147.24 repeater under certain conditions. He will arrange to have the problem resolved.

The remainder of the meeting was devoted to final planning of the Hamfest. Clarence Crum, N9NXW, of the River-

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

ANNOUNCING.....

The Northern Wisconsin Radio Club's Fall Banquet!

It will be held September 22 at the Holiday Inn on Clairemont Avenue in Eau Claire. Gathering time is

land Amateur Radio Club, was introduced and brought us up to date on the activities of his club.

The lunch committee for next month is Mike, N9JMA, and Kevin, N9OHE.

The meeting was adjourned at 8:56 p.m.

*Respectfully submitted:
Don Franzmann, W9NFJ, Secretary*

7:30 p.m.

Entree: Family style chicken or roast beef.

Cost: \$12.80, including tax and tip.

NWRC will be celebrating its 69th birthday. Members will be receiving a banquet notice by mail. Non-members are welcome to attend. Reservations must be made by September 1, and should be sent to Steve Hart, KA9OMC, Route 1, Box 54, Knapp, WI 54749.

The Badger State Smoke Signals Shoppers' Guide

SWAPFESTS

 <p>20th ANNUAL MIDWINTER SWAPFEST WAUKESHA EXPOSITION CENTER HIGHWAYS J & FT WAUKESHA, WISCONSIN JANUARY 10, 1993</p> <p>1991 WINNERS Martin Van Der Burg, KA9MSR, Milwaukee David C. Wright, WB9VOZ, Milwaukee Robert J. Goemans, N9HAD, Madison</p> <p>Both Sponsored By THE WEST ALLIS RADIO AMATEUR CLUB, INC. P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</p>	<p>HAM IT UP EVERY SPRING! MADISON SWAPFEST April 4, 1993</p> <p>Dane County Expo Center Forum Building</p> <p>Sponsored by MARA/WB9AER</p> <p>P.O. Box 8890 (608) 249-7579 Madison, WI 53708-8890 Answer Machine</p>	<p>SOUTH MILWAUKEE AMATEUR RADIO CLUB SWAPFEST 92</p> <p>(Held every July)</p> <p>American Legion Park Shepard Ave. • Oak Creek, WI</p> <p>(414) 762-3235 Extension 58 P.O. Box 102 South Milwaukee, WI 53172</p>
<p>Fox Cities Hamfest</p> <p><i>Starlite Club, Hwy. 55 north of Kaukauna</i></p> <p>HAMFEST INFO: Don Baker 621 W. 7th St. Kaukauna, WI 54130 414-766-3886</p> <p>EXAM INFO: Larry, KD9IA, 414-788-3823, or Don, NB9J, 414-766-3886</p>	<p>Lakeshore Hamfest & Computer Swapfest</p> <p>Manitowoc County Expo</p> <p><i>Intersection of Hwys 42-151 and I-43 on Cty Highway R</i></p> <p>For more information, call: "Lou" - 414-682-2557 (Nights) "Ron" - 414-793-4733 (Nights) "Bob" - 414-684-5352 (Nights) "John" - 414-682-9151 (Days)</p> <p>ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204</p>	<p>PEORIA SUPERFEST EXPOSITION GARDENS, PEORIA, ILLINOIS September 19-20, 1992</p> <p>LARGE FLEA MARKET - COMMERCIAL DEALERS - FORUMS LADIES ACTIVITIES (SAT) - EXAMS (SUN)</p> <p>GATES OPEN AT 6:00 AM - TALK-IN 146.76 FOR ADVANCE TICKETS: \$ASE PLUS \$5 EACH TO PEORIA AREA AMATEUR RADIO CLUB, P.O. BOX 3508, PEORIA, IL 61612-3508 OR CALL (309) 685-6698 FOR INFORMATION</p>
<p>14th Annual CWRA SWAPFEST</p> <p>UNIVERSITY CENTER, U.W. STEVENS POINT</p> <p>Info: Art Wysocki, N9BCA 715-344-2984 3356 April Lane Stevens Point, WI 54481</p>	<p>EAU CLAIRE AMATEUR RADIO CLUB SWAPFEST</p> <p><i>Chippewa Falls Fairgrounds</i></p> <p>Lis Searing, N9EQR 1129 McKinley Road (715) 834-1303 Eau Claire, WI 54701</p>	<p>HAMFEST SPONSORS: THIS SPACE IS AVAILABLE TO ADVERTISE YOUR EVENT. FOR INFORMATION, CONTACT KEN EBNETER, K9EN. SEE PAGE 2 FOR ADDRESS.</p>

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